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F/G 4/2

A THREE DIMENSIONAL MODEL OF THE WIND DRIVEN HORIZONTAL VELOCIT--ETC(U)

OCT 63 E S HASSAN, F D MALONE

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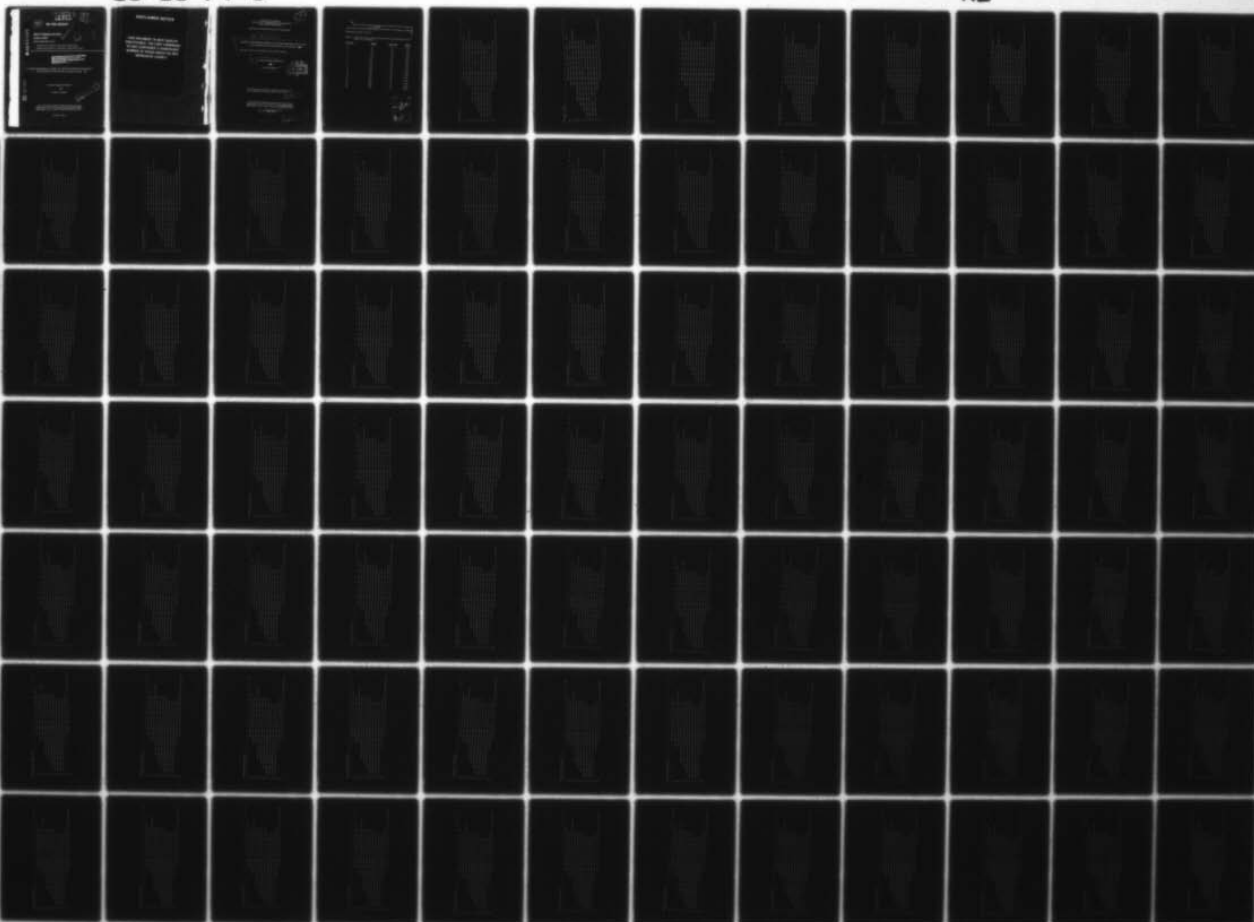
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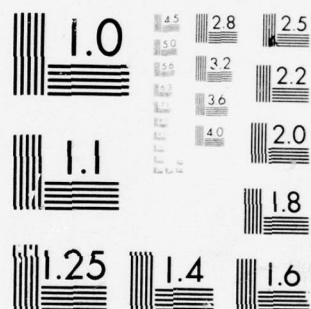
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MICROCOPY RESOLUTION TEST CHART
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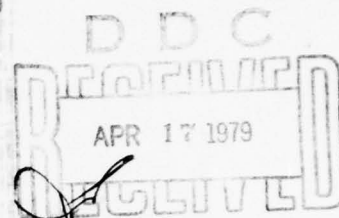
School of Engineering and Science

RESEARCH DIVISION

University Heights, Bronx 53, N. Y.

Department of Meteorology and Oceanography

Geophysical Sciences Laboratory, Report No. 63-13



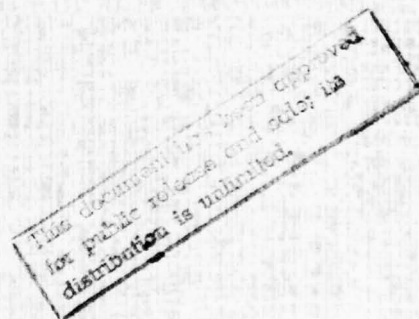
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A THREE DIMENSIONAL MODEL OF THE WIND DRIVEN HORIZONTAL
VELOCITIES IN THE NORTH ATLANTIC OCEAN (III)

El Sayed Mohamed Hassan

and

Frank D. Malone



The research reported in this document has been sponsored by the U. S. Naval Oceanographic Office, Washington, D. C. under Contract No. N62306-794.

October 1963

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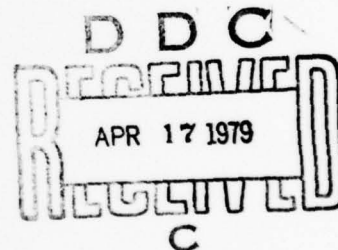
(6) A THREE DIMENSIONAL MODEL OF THE WIND DRIVEN HORIZONTAL
VELOCITIES IN THE NORTH ATLANTIC OCEAN, (III).

Part III. Summer Circulation in the North Atlantic,

(10)

El Sayed Mohamed/Hassan

Frank D./Malone



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Stream functions and velocities at selected levels for the Summer season in the North Atlantic ^{are tabulated}. Depth of selected levels appear in Tables. Explanation appear in Part I.

Table I: Depths in meters of levels at which stream functions and velocities were computed.

<u>Level No.</u>	<u>Depth</u>	<u>Level No.</u>	<u>Depth</u>
1	0	17	320
2	20	18	340
3	40	19	360
4	60	20	380
5	80	21	400
6	100	22	500
7	120	23	600
8	140	24	700
9	160	25	800
10	180	26	900
11	200	27	1000
12	220	28	1200
13	240	29	1400
14	260	30	1600
15	280	31	1800
16	300	32	2000

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82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							0.2288E 09	C.8704E 08	0.1321E 09	0.8298E 08	0.7400E 08	0.3498E 08	0.2189E 08	0.5542E 07	-0.3048E 07		
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							0.3182E 08	0.3937E 07	C.2752E 07	-0.1447E 08	-0.1107E 08	-0.1272E 07	0.9322E 07	0.9531E 07	0.8597E 07		
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							-0.6852E 08	-0.3658E 08	-C.5662E 08	-0.3794E 08	-0.4745E 08	-0.2532E 08	-0.2425E 08	-0.9431E 07	-0.7276E 07	0.6068E 07	-0.8150E 07
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							-0.7703E 08	-0.3825E 08	-C.9218E 08	-0.7462E 08	-0.9660E 08	-C.7760E 08	-0.8045E 08	-0.6763E 08	-0.6836E 08	-0.5731E 08	-0.4443E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							-0.1146E 08	-0.5527E 08	-0.1240E 08	-C.7411E 08	-0.1185E 09	-0.7782E 08	-C.9896E 08	-0.6756E 08	-C.7143E 08	-0.4028E 08	-0.4344E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							-0.1564E 09	-0.5808E 08	-0.1438E 08	-0.6336E 08	-C.1051E 09	-0.4992E 08	-0.6986E 08	-C.3158E 08	-0.4034E 08	-0.1355E 08	-0.1020E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							-0.3801E 09	-0.1073E 09	-0.3518E 08	-0.7424E 08	-0.2655E 09	-C.5511E 08	-0.2342E 09	-0.3838E 08	-0.1892E 09	-C.1349E 08	-0.1540E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							-0.2630E 09	-0.3128E 08	-0.2207E 09	-0.2112E 08	-0.1705E 09	-0.1179E 08	-0.1114E 09	0.5478E 08	-C.5403E 08	0.9449E 08	0.6124E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							-0.6564E 08	0.7257E 07	-0.2937E 08	0.4661E 08	-0.1732E 07	0.5244E 08	0.1905E 08	0.8604E 08	0.4892E 08	0.9419E 08	0.6287E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
							0.2932E 08	0.6892E 08	0.2573E 09	0.4446E 08	0.1595E 09	0.3010E 08	0.1619E 09	0.2772E 08	C.1264E 09	0.1235E 08	C.7979E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01.5M
										0.1034E 09	-0.6837E 07	0.3732E 08	-C.4899E 08	0.1373E 08	-0.6693E 08	-0.2624E 08	-0.6007E 08
82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	01

FRONTIER EXPANSION OF THE STREAM FUNCTIONAL COMPONENT No. 4

	82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M	07.5E
57.5M								0.2113E 09	C.6179E 08	0.1210E 09	0.8535E 08	0.6073E 08	C.3723E 08	0.2029E 08	0.6650E 07	-C.3737E 07		
52.5M							0.3316E 08	0.4681E 07	C.3560E 07	-0.1312E 08	-0.9593E 07	-0.1518E 07	0.9403E 07	0.9609E 07	0.8550E 07			
47.5M									-C.3755E 08	-C.5581E 08	-0.1027E 08	-0.4512E 08	-0.2624E 08	-0.2209E 08	-0.9612E 07	-0.3242E 07	0.6330E 07	-0.6863E 07
42.5M									-0.7190E 08	-0.3510E 08	-0.6677E 08	-0.7596E 08	-0.9212E 08	-C.7860E 08	-0.7719E 08	-0.6617E 08	-0.6624E 08	-0.4394E 08
37.5M									-0.1081E 09	-0.3509E 08	-0.1160E 09	-0.7645E 08	-0.1110E 09	-0.8012E 08	-C.9307E 08	-0.6953E 08	-0.6587E 08	-0.4177E 08
32.5M									-0.1562E 09	-0.6236E 08	-0.1410E 09	-0.6698E 08	-0.1020E 09	-0.5510E 08	-0.8723E 08	-C.3545E 08	-0.3630E 08	-0.2155E 08
27.5M									-0.3503E 09	-0.1083E 09	-0.3114E 09	-0.7747E 08	-0.2451E 09	-0.5855E 08	-0.1926E 09	-0.4132E 08	-C.1447E 09	-0.2074E 08
22.5M									-0.2752E 09	-0.4242E 08	-0.2291E 09	-0.3890E 08	-0.1771E 09	-0.5351E 07	-0.1203E 09	0.2788E 08	-C.5957E 08	0.6486E 08
17.5M									-0.7057E 08	0.3460E 08	0.4583E 08	-0.5561E 07	0.4581E 08	0.1605E 08	C.4622E 08	0.8745E 08	C.6101E 08	0.4624E 08
12.5M									0.2842E 09	0.7876E 08	0.2467E 09	0.6235E 08	0.1531E 09	0.5319E 08	0.1568E 09	0.5373E 08	C.1234E 09	0.4639E 08
07.5M																		
02.5M																		

-0.3576E 07 -C.2191E 08 -0.2707E 08 -0.4165E 08 -0.4003E 08 -0.4455E 08 -0.4597E 08 -0.3453E 08 -0.2361E 08 -0.2365E 08 -0.2446E 08 -C.3533E 08

C7.5E

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0.1075E 09 6.8278E 08 0.7365E 08 0.7489E 08 0.5784E 08 0.3872E 08 0.2117E 08 0.9541E 07 -0.6555E 06

C.2711E 08 0.1857E 08 C.1C02E 08 -0.5964E 07 -C.7702E 07 -0.3187E 07 0.6236E 07 0.7761E 07 0.6688E 07

-C.446C CB -0.423E CB -C.442E CB -0.413E CB -C.406E CB -0.310E CB -0.203E CB -0.114E CB -0.2E4E CB 0.654E CB -0.523E CB

	-0.9768	CA	-C.5880E	C8	-C.7148	C8	-C.7334E	C8	-C.7211E	C8	-0.4424E	C8	-C.5953E	C8	-0.5558E	C8	-0.5131E	C8	-0.4044E	C8	-0.1271E	C8
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[illegible][illegible]

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.2	12.5	18	65
Gender	0.45	0.50	0	1
Education	12.8	1.5	9	16
Income	45000	15000	20000	80000
Health	0.75	0.25	0	1
Marital Status	0.60	0.49	0	1
Occupation	2.5	1.5	1	5
Religion	0.30	0.46	0	1
Political Affiliation	0.40	0.50	0	1
Volunteering	0.20	0.40	0	1
Charitable Giving	0.10	0.30	0	1
Community Involvement	0.30	0.46	0	1
Environmental Awareness	0.40	0.50	0	1
Political Participation	0.20	0.40	0	1
Civic Engagement	0.30	0.46	0	1
Trust in Government	0.50	0.50	0	1
Confidence in Leaders	0.40	0.50	0	1
Perceived Corruption	0.30	0.46	0	1
Support for Democracy	0.60	0.49	0	1
Belief in Human Rights	0.70	0.46	0	1
Commitment to Social Justice	0.50	0.50	0	1
Advocacy for Change	0.30	0.46	0	1
Participation in Protests	0.20	0.40	0	1
Signing Petitions	0.40	0.50	0	1
Attending Town Halls	0.10	0.30	0	1
Writing to Representatives	0.20	0.40	0	1
Participating in Public Hearings	0.10	0.30	0	1
Engaging in Social Movements	0.30	0.46	0	1
Supporting Political Candidates	0.20	0.40	0	1
Volunteering for Campaigns	0.10	0.30	0	1
Donating to Political Parties	0.05	0.22	0	1
Participating in Policy Debates	0.20	0.40	0	1
Engaging in Public Consultations	0.10	0.30	0	1
Participating in Focus Groups	0.05	0.22	0	1
Engaging in Surveys	0.10	0.30	0	1
Participating in Interviews	0.05	0.22	0	1
Engaging in Roundtables	0.05	0.22	0	1
Participating in Workshops	0.05	0.22	0	1
Engaging in Seminars	0.05	0.22	0	1
Participating in Conferences	0.05	0.22	0	1
Engaging in Panels	0.05	0.22	0	1
Participating in Keynotes	0.05	0.22	0	1
Engaging in Q&A Sessions	0.05	0.22	0	1
Participating in Press Conferences	0.05	0.22	0	1
Engaging in Media Interviews	0.05	0.22	0	1
Participating in Podcasts	0.05	0.22	0	1
Engaging in Webinars	0.05	0.22	0	1
Participating in Virtual Meetings	0.05	0.22	0	1
Engaging in Online Discussions	0.05	0.22	0	1
Participating in Social Media Campaigns	0.05	0.22	0	1
Engaging in Influencer Partnerships	0.05	0.22	0	1
Participating in Sponsored Content	0.05	0.22	0	1
Engaging in Affiliate Marketing	0.05	0.22	0	1
Participating in Product Reviews	0.05	0.22	0	1
Engaging in User Generated Content	0.05	0.22	0	1
Participating in Social Media Challenges	0.05	0.22	0	1
Engaging in Viral Marketing	0.05	0.22	0	1
Participating in Influencer Takeovers	0.05	0.22	0	1
Engaging in Sponsored Social Media Posts	0.05	0.22	0	1
Participating in Influencer Collaborations	0.05	0.22	0	1
Engaging in Sponsored Influencer Content	0.05	0.22	0	1
Participating in Sponsored Influencer Takeovers	0.05	0.22	0	1
Engaging in Sponsored Influencer Collaborations	0.05	0.22	0	1
Participating in Sponsored Influencer Content	0.05	0.22	0	1
Participating in Sponsored Influencer Takeovers	0.05	0.22	0	1
Engaging in Sponsored Influencer Collaborations	0.05	0.22	0	1
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Participating in Sponsored Influencer Takeovers	0.05	0.22	0	1
Engaging in Sponsored Influencer Collaborations	0.05	0.22	0	1
Participating in Sponsored Influencer Content	0.05	0.22	0	1
Participating in Sponsored Influencer Takeovers	0.05	0.22	0	

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Country	Year	Value
China	2007	0.7225
China	2006	0.7136
China	2005	0.6972
China	2004	0.6706
China	2003	0.6438
China	2002	0.6170
China	2001	0.5902
China	2000	0.5634
China	1999	0.5366
China	1998	0.5098
China	1997	0.4830
China	1996	0.4562
China	1995	0.4294
China	1994	0.4026
China	1993	0.3758
China	1992	0.3490
China	1991	0.3222
China	1990	0.2954
China	1989	0.2686
China	1988	0.2418
China	1987	0.2150
China	1986	0.1882
China	1985	0.1614
China	1984	0.1346
China	1983	0.1078
China	1982	0.0810
China	1981	0.0542
China	1980	0.0274
China	1979	0.0006
China	1978	-0.0262
China	1977	-0.0530
China	1976	-0.0798
China	1975	-0.1066
China	1974	-0.1334
China	1973	-0.1602
China	1972	-0.1870
China	1971	-0.2138
China	1970	-0.2406
China	1969	-0.2674
China	1968	-0.2942
China	1967	-0.3210
China	1966	-0.3478
China	1965	-0.3746
China	1964	-0.4014
China	1963	-0.4282
China	1962	-0.4550
China	1961	-0.4818
China	1960	-0.5086
China	1959	-0.5354
China	1958	-0.5622
China	1957	-0.5890
China	1956	-0.6158
China	1955	-0.6426
China	1954	-0.6694
China	1953	-0.6962
China	1952	-0.7230
China	1951	-0.7498
China	1950	-0.7766
China	1949	-0.8034
China	1948	-0.8302
China	1947	-0.8570
China	1946	-0.8838
China	1945	-0.9106
China	1944	-0.9374
China	1943	-0.9642
China	1942	-0.9910
China	1941	-1.0178
China	1940	-1.0446
China	1939	-1.0714
China	1938	-1.0982
China	1937	-1.1250
China	1936	-1.1518
China	1935	-1.1786
China	1934	-1.2054
China	1933	-1.2322
China	1932	-1.2590
China	1931	-1.2858
China	1930	-1.3126
China	1929	-1.3394
China	1928	-1.3662
China	1927	-1.3930
China	1926	-1.4198
China	1925	-1.4466
China	1924	-1.4734
China	1923	-1.5002
China	1922	-1.5270
China	1921	-1.5538
China	1920	-1.5806
China	1919	-1.6074
China	1918	-1.6342
China	1917	-1.6610
China	1916	-1.6878
China	1915	-1.7146
China	1914	-1.7414
China	1913	-1.7682
China	1912	-1.7950
China	1911	-1.8218
China	1910	-1.8486
China	1909	-1.8754
China	1908	-1.9022
China	1907	-1.9290
China	1906	-1.9558
China	1905	-1.9826
China	1904	-2.0094
China	1903	-2.0362
China	1902	-2.0630
China	1901	-2.0898
China	1900	-2.1166
China	1899	-2.1434
China	1898	-2.1702
China	1897	-2.1970
China	1896	-2.2238
China	1895	

$\beta = -0.1579$

$$\begin{aligned} \text{SIC} &= 2.0110 \text{ } \Delta y & \text{SIC} &= 0.3446 \text{ } \Delta y & \text{SIC} &= 0.3061 \text{ } \Delta y & \text{SIC} &= 0.3780 \text{ } \Delta y & \text{SIC} &= 0.2611 \text{ } \Delta y & \text{SIC} &= 0.2066 \text{ } \Delta y & \text{SIC} &= 0.1199 \text{ } \Delta y & \text{SIC} &= 0.1076 \text{ } \Delta y & \text{SIC} &= 0.1950 \text{ } \Delta y & \text{SIC} &= 0.2763 \text{ } \Delta y \end{aligned}$$

POLEIER EXPANSION OF THE STREAM FUNCTION, COMPONENT NR. 10

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E	02.5E	07.5E
37.5N																				
32.5N																				
47.5N																				
42.5N																				
37.5N																				
32.5N																				
27.5N																				
22.5N																				
17.5N																				
12.5N																				
07.5N																				
02.5N																				

C-3310E 08 -C-3330E 07 0.2003E 06 -0.1993E 05 -0.1993E 04 -0.1993E 03 -0.1993E 02 -0.1993E 01 -0.1993E 00 -0.1993E 00

62.5h	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5h	07.5h
-0.2024E 08	-0.1015E 09	-0.1466E 09	-0.1103E 09	-0.1166E 09	-0.8603E 08	-0.8075E 08	-0.5861E 08	-0.4216E 08	-0.2296E 08	-0.6686E 07	0.1804E 08	0.2817E 08	0.1377E 08	0.2678E 08	0.1604E 08	-0.2094E 08	-0.2094E 08
-0.9151E 08	-0.3110E 08	-0.5337E 08	-0.4978E 07	-0.2114E 08	-0.6732E 07	-0.4553E 07	0.1972E 08	0.2980E 08	0.4071E 08	0.4814E 08	0.5032E 08	0.4032E 08	0.2408E 08	0.1477E 08	0.1477E 08	0.1477E 08	0.1477E 08
-0.6625E 08	0.7097E 08	0.6244E 08	0.7761E 08	0.7761E 08	0.8621E 08	0.7164E 08	0.6151E 08	0.6532E 08	0.7105E 08	0.5707E 08	0.4145E 08	0.1817E 08	0.1147E 07	0.1147E 07	0.1147E 07	0.1147E 07	0.1147E 07
-0.4733E 08	-0.1052E 09	-0.1233E 08	-0.1105E 09	-0.1105E 09	-0.1005E 09	-0.8034E 08	-0.7643E 08	-0.6168E 08	-0.5530E 08	-0.3345E 08	-0.2640E 08	-0.7432E 07	0.1790E 08	0.2605E 08	0.2605E 08	0.2605E 08	0.2605E 08
-0.2643E 08	-0.1347E 09	-0.1875E 09	-0.1347E 09	-0.1378E 09	-0.1080E 09	-0.1040E 09	-0.8025E 08	-0.7318E 08	-0.5559E 08	-0.3360E 08	-0.1568E 08	0.6134E 07	0.2313E 08	0.2678E 08	0.2678E 08	0.2678E 08	0.2678E 08
-0.2024E 08	-0.1015E 09	-0.1466E 09	-0.1103E 09	-0.1166E 09	-0.8603E 08	-0.8075E 08	-0.5861E 08	-0.4216E 08	-0.2296E 08	-0.6686E 07	0.1804E 08	0.2817E 08	0.1377E 08	0.2678E 08	0.1604E 08	-0.2094E 08	-0.2094E 08
-0.9151E 08	-0.3110E 08	-0.5337E 08	-0.4978E 07	-0.2114E 08	-0.6732E 07	-0.4553E 07	0.1972E 08	0.2980E 08	0.4071E 08	0.4814E 08	0.5032E 08	0.4032E 08	0.2408E 08	0.1477E 08	0.1477E 08	0.1477E 08	0.1477E 08
-0.6625E 08	0.7097E 08	0.6244E 08	0.7761E 08	0.7761E 08	0.8621E 08	0.7164E 08	0.6151E 08	0.6532E 08	0.7105E 08	0.5707E 08	0.4145E 08	0.1817E 08	0.1147E 07	0.1147E 07	0.1147E 07	0.1147E 07	0.1147E 07
-0.4733E 08	-0.1052E 09	-0.1233E 08	-0.1105E 09	-0.1105E 09	-0.1005E 09	-0.8034E 08	-0.7643E 08	-0.6168E 08	-0.5530E 08	-0.3345E 08	-0.2640E 08	-0.7432E 07	0.1790E 08	0.2605E 08	0.2605E 08	0.2605E 08	0.2605E 08
-0.2643E 08	-0.1347E 09	-0.1875E 09	-0.1347E 09	-0.1378E 09	-0.1080E 09	-0.1040E 09	-0.8025E 08	-0.7318E 08	-0.5559E 08	-0.3360E 08	-0.1568E 08	0.6134E 07	0.2313E 08	0.2678E 08	0.2678E 08	0.2678E 08	0.2678E 08
-0.2024E 08	-0.1015E 09	-0.1466E 09	-0.1103E 09	-0.1166E 09	-0.8603E 08	-0.8075E 08	-0.5861E 08	-0.4216E 08	-0.2296E 08	-0.6686E 07	0.1804E 08	0.2817E 08	0.1377E 08	0.2678E 08	0.1604E 08	-0.2094E 08	-0.2094E 08
-0.9151E 08	-0.3110E 08	-0.5337E 08	-0.4978E 07	-0.2114E 08	-0.6732E 07	-0.4553E 07	0.1972E 08	0.2980E 08	0.4071E 08	0.4814E 08	0.5032E 08	0.4032E 08	0.2408E 08	0.1477E 08	0.1477E 08	0.1477E 08	0.1477E 08
-0.6625E 08	0.7097E 08	0.6244E 08	0.7761E 08	0.7761E 08	0.8621E 08	0.7164E 08	0.6151E 08	0.6532E 08	0.7105E 08	0.5707E 08	0.4145E 08	0.1817E 08	0.1147E 07	0.1147E 07	0.1147E 07	0.1147E 07	0.1147E 07
-0.4733E 08	-0.1052E 09	-0.1233E 08	-0.1105E 09	-0.1105E 09	-0.1005E 09	-0.8034E 08	-0.7643E 08	-0.6168E 08	-0.5530E 08	-0.3345E 08	-0.2640E 08	-0.7432E 07	0.1790E 08	0.2605E 08	0.2605E 08	0.2605E 08	0.2605E 08
-0.2643E 08	-0.1347E 09	-0.1875E 09	-0.1347E 09	-0.1378E 09	-0.1080E 09</												

57.5M

82.5M	-0.1102E 09 -0.1081E 09 -0.1119E 09 -0.1021E 09 -0.9213E 08 -0.8039E 0E -0.6642E 0E -0.5516E 08 -0.4432E 08 -0.3109E 08 -0.1126E 08 0.3172E 0E	02.5M	02.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
57.5M	-0.1682E 09 -0.1545E 09 -0.1430E 09 -0.1132E 09 -0.1110E 09 -0.1013E 09 -0.8445E 0E -0.7112E 08 -0.5637E 08 -0.1554E 08 0.4912E 07 0.1620E 08 0.2256E 08	57.5M	57.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
52.5M	-0.177E 09 -0.1097E 09 -0.1120E 09 -0.1179E 09 -0.8842E 08 -0.7711E 08 -0.6566E 0E -0.4306E 08 -0.2740E 08 -0.1100E 08 0.1264E 08 0.2412E 08 0.3232E 08	52.5M	52.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
17.5M	-0.912E 08 -0.4125E 08 -0.2268E 08 -0.2208E 08 -0.1506E 08 -0.1001E 08 0.1000E 0E 0.2020E 08 0.3515E 08 0.4041E 08 0.4433E 08 0.3771E 08 0.2408E 08	17.5M	17.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
12.5M	0.2891E 08 0.5179E 08 0.5661E 08 0.5997E 08 0.6116E 08 0.7165E 08 0.8295E 08 0.4981E 0E 0.4258E 08 0.6752E 08 0.5415E 08 0.1610E 08 0.1891E 08 0.4681E 07	12.5M	12.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
07.5M	0.1050E 09 0.4447E 08 0.3264E 08 0.1594E 08 -0.3250E 07 -0.4442E 07 -0.1637E 08 -0.1516E 08 -0.1401E 08	07.5M	07.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
37.5M	-0.6461E 08 -0.7862E 08 -0.7826E 08 -0.6401E 08 -0.8114E 0E -0.7597E 08 -0.6190E 08 -0.4911E 08 -0.4109E 08 -0.1717E 08 0.1157E 0E	37.5M	37.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
32.5M	-0.1102E 09 -0.1081E 09 -0.1119E 09 -0.1021E 09 -0.9213E 08 -0.8039E 0E -0.6642E 0E -0.5516E 08 -0.4432E 08 -0.3109E 08 -0.1126E 08 0.3172E 0E	32.5M	32.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
27.5M	-0.1682E 09 -0.1545E 09 -0.1430E 09 -0.1132E 09 -0.1110E 09 -0.1013E 09 -0.8445E 0E -0.7112E 08 -0.5637E 08 -0.1554E 08 0.4912E 07 0.1620E 08 0.2256E 08	27.5M	27.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
22.5M	-0.177E 09 -0.1097E 09 -0.1120E 09 -0.1179E 09 -0.8842E 08 -0.7711E 08 -0.6566E 0E -0.4306E 08 -0.2740E 08 -0.1100E 08 0.1264E 08 0.2412E 08 0.3232E 08	22.5M	22.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
17.5M	-0.912E 08 -0.4125E 08 -0.2268E 08 -0.2208E 08 -0.1506E 08 -0.1001E 08 0.1000E 0E 0.2020E 08 0.3515E 08 0.4041E 08 0.4433E 08 0.3771E 08 0.2408E 08	17.5M	17.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
12.5M	0.2891E 08 0.5179E 08 0.5661E 08 0.5997E 08 0.6116E 08 0.7165E 08 0.8295E 08 0.4981E 0E 0.4258E 08 0.6752E 08 0.5415E 08 0.1610E 08 0.1891E 08 0.4681E 07	12.5M	12.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5M
07.5M	0.1050E 09 0.4447E 08 0.3264E 08 0.1594E 08 -0.3250E 07 -0.4442E 07 -0.1637E 08 -0.1516E 08 -0.1401E 08	07.5M	07.5M	07.5	11.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5			

PAULSEN EXPANSION OF THE STREAM FUNCTION-COMPONENT NO. 14

	82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M	C2.5M	C1.5M
57.5M																			
52.5M																			
47.5M																			
42.5M																			
37.5M																			
32.5M																			
27.5M																			
22.5M																			
17.5M																			
12.5M																			
07.5M																			
02.5M																			

0.4453E CB C.5163E CB 0.4126E CB C.4550E CB 0.4071E CB 0.3049E CB 0.1910E CB C.1C71E CB C.1646E CB

0.0807E CB C.1119E CB C.6C39E CB -0.2669E CB -0.8149E CB -0.5572E CB 0.1932E CB 0.4739E CB C.4859E CB

-0.2641E CB -0.3529E CB -0.3743E CB -0.304E CB -0.3613E CB -0.3189E CB -0.2269E CB -0.1406E CB -0.5416E CB C.3951E CB C.1218E CB

-0.2684E CB -0.3241E CB -0.4413E CB -0.5969E CB -0.6425E CB -0.4363E CB -0.2622E CB -0.5261E CB -0.4421E CB -0.4409E CB -0.3546E CB -0.1268E CB

-0.4099E CB -0.4613E CB -0.7653E CB -0.6014E CB -0.7452E CB -0.7612E CB -0.6149E CB -0.4999E CB -0.4204E CB -0.1652E CB C.1C28E CB

-0.1111E CB -0.1075E CB -0.1155E CB -0.1109E CB -0.1109E CB -0.1109E CB -0.1109E CB -0.1109E CB -0.1109E CB -0.1109E CB -0.1109E CB -0.1109E CB

-0.1517E CB -0.1516E CB -0.1671E CB -0.1366E CB -0.1293E CB -0.1109E CB -0.1075E CB -0.1075E CB -0.1075E CB -0.1075E CB -0.1075E CB -0.1075E CB

-0.1629E CB -0.1120E CB -0.1244E CB -0.1112E CB -0.1045E CB -0.1045E CB -0.1045E CB -0.1045E CB -0.1045E CB -0.1045E CB -0.1045E CB -0.1045E CB

-0.4014E CB -0.4609E CB -0.5425E CB -0.2249E CB -0.2420E CB -0.1811E CB -0.1266E CB -0.2669E CB -0.3720E CB -0.4222E CB -0.3625E CB -0.2387E CB

0.1554E CB 0.4209E CB 0.4653E CB 0.5121E CB 0.5273E CB 0.6523E CB 0.5709E CB 0.6456E CB 0.5573E CB 0.5239E CB 0.3822E CB 0.1901E CB 0.4724E CB

0.0553E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB 0.6524E CB

0.3866E CB C.1154E CB 0.6595E CB -0.6577E CB -0.1262E CB -0.1426E CB -0.1426E CB -0.1426E CB -0.1426E CB -0.1426E CB -0.1426E CB

0.3866E CB C.1154E CB 0.6595E CB -0.6577E CB -0.1262E CB -0.1426E CB -0.1426E CB -0.1426E CB -0.1426E CB -0.1426E CB -0.1426E CB

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POULIER EXPANSION OF THE STREAM FUNCTION, COEFFICIENT NO. 16

	62.5	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5	07.5
57.5M									C.3208E 02	C.4578E 02	0.3411E 02	0.3360E 02	0.2617E 02	0.1712E 02	0.0684E 07	C.26C5E 07		
52.5M									0.3307E 07	C.6542E 07	C.5560E 07	-0.4558E 07	-0.6875E 07	-0.6848E 07	-0.3668E 06	0.3233E 07	C.3511E 07	
47.5M									-0.2502E 02	-0.3394E 02	-0.3539E 02	-0.3700E 02	-0.3864E 02	-0.3142E 02	-0.2388E 02	-0.1478E 02	-0.6339E 07	C.2760E 07
42.5M									-0.2567E 02	-0.3508E 02	-0.4031E 02	-0.4535E 02	-0.5079E 02	-0.4612E 02	-0.4188E 02	-0.3393E 02	-0.1182E 02	
37.5M									-0.5198E 02	-0.6341E 02	-0.7274E 02	-0.7934E 02	-0.8267E 02	-0.6828E 02	-0.6848E 02	-0.4492E 02	-0.2151E 02	0.6650E 07
32.5M									-0.9538E 02	-0.1032E 02	-0.1095E 02	-0.1075E 02	-0.1001E 02	-0.8233E 02	-0.6589E 02	-0.5536E 02	-0.4514E 02	0.2402E 07
27.5M									-0.1226E 02	-0.1417E 02	-0.1500E 02	-0.1234E 02	-0.1076E 02	-0.8462E 02	-0.6475E 02	-0.4375E 02	-0.2201E 02	0.1323E 02
22.5M									-0.1370E 02	-0.1130E 02	-0.1145E 02	-0.1076E 02	-0.8644E 02	-0.6160E 02	-0.4513E 02	-0.3110E 02	-0.1573E 02	0.2644E 02
17.5M									-0.8584E 02	-0.5434E 02	-0.5518E 02	-0.5302E 02	-0.2252E 02	-0.1742E 02	-0.1257E 07	C.1028E 02	0.2160E 02	0.3314E 02
12.5M									-0.2800E 07	0.2441E 02	0.3023E 02	0.3546E 02	0.4400E 02	0.5247E 02	0.4494E 02	C.5485E 02	0.5276E 02	C.4624E 02
07.5M																		
02.5M																		

C.3760E 02 C.1603E 02 0.0679E 07 -0.2153E 02 -0.4462E 07 -0.1203E 02 -0.1402E 02 -0.1104E 02 -0.3754E 07 -0.2327E 02 -0.5688E 07 -0.1371E 02

[illegible]

[illegible]

FOURIER EXPANSION OF THE STREAM FUNCTION COMPONENT Ψ_2 , 19

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	2.5N	67.5E																				
37.5N									C.2001E	0E	C.2776E	0E	0.2592E	0E	0.2463E	0E	C.2008E	0E	0.1504E	0E	0.2100E	0E	0.2130E	0E														
32.5N									0.1104E	0E	C.1235E	0E	C.7361E	0E	-0.6251E	0E	-1.0000E	0E	-0.6531E	0E	-0.2699E	0E	0.1051E	0E	0.2576E	0E												
27.5N									-0.2151E	0E	-C.3096E	0E	-C.2986E	0E	-0.3441E	0E	-0.3439E	0E	-0.3029E	0E	-0.2308E	0E	-0.1037E	0E	-0.7324E	0E	0.1261E	0E	0.1028E	0E								
22.5N									-0.2176E	0E	-0.2772E	0E	-0.3569E	0E	-0.4921E	0E	-0.5570E	0E	-C.5641E	0E	-0.5290E	0E	-0.4339E	0E	-0.3808E	0E	-0.3153E	0E	-C.1375E	0E								
17.5N									-C.4429E	0E	-0.3747E	0E	-0.6620E	0E	-0.6965E	0E	-0.7360E	0E	-0.7338E	0E	-0.6503E	0E	-0.5625E	0E	-0.4673E	0E	-0.4162E	0E	-0.2390E	0E	0.2221E	0E						
12.5N									-0.7444E	0E	-C.9200E	0E	-0.9516E	0E	-0.9463E	0E	-0.8844E	0E	-C.8039E	0E	-0.6531E	0E	-0.5316E	0E	-0.4032E	0E	-0.2556E	0E	-0.4432E	0E	0.1720E	0E						
7.5N									-0.4863E	0E	-0.1216E	0E	-0.1318E	0E	-0.1079E	0E	-0.1139E	0E	-0.1021E	0E	-0.9322E	0E	-0.8166E	0E	-C.7039E	0E	-0.5977E	0E	-0.4606E	0E	-0.2680E	0E	-0.7503E	0E	0.7724E	0E	0.1504E	0E
2.5N									-0.1690E	0E	-0.1079E	0E	-0.1036E	0E	-0.1036E	0E	-0.8275E	0E	-0.6250E	0E	-0.7291E	0E	-0.6127E	0E	-C.4687E	0E	-0.3416E	0E	-0.2020E	0E	-0.0936E	0E	0.1217E	0E	0.2119E	0E		
82.5E									-0.7514E	0E	-0.4673E	0E	-0.4644E	0E	-0.3273E	0E	-0.2766E	0E	-0.2266E	0E	-0.9464E	0E	C.1790E	0E	0.1247E	0E	0.2241E	0E	0.2962E	0E	0.2826E	0E	0.1971E	0E				
77.5E									-0.1592E	0E	0.4920E	0E	0.1276E	0E	0.1727E	0E	0.3482E	0E	0.3723E	0E	C.4222E	0E	C.4236E	0E	C.4163E	0E	0.3308E	0E	C.1081E	0E	0.5571E	0E						
72.5E									C.5346E	0E	0.5965E	0E	C.5408E	0E	C.4092E	0E	0.2462E	0E	C.1123E	0E	0.1928E	0E	-0.5914E	0E	-0.1225E	0E	-C.1039E	0E										
67.5E									0.3378E	0E	C.2112E	0E	0.1173E	0E	0.2514E	0E	-0.5160E	0E	-0.8530E	0E	-0.1271E	0E	-0.9561E	0E	-C.3012E	0E	0.7627E	0E	-0.2689E	0E	-C.1154E	0E						

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C.1727E 00 C.2449E 00 0.2C09E 00 0.2200E 00 0.2215E 00 0.1628E 00 0.1278E 00 0.78C6E 07 C.2098E 07

0.2279E 06 -0.4824E 05 -C.4650E 06 -0.6787E 07 -0.1C32E 08 -0.8961E 07 -0.3605E 07 0.3959E 06 0.2119E 07

0.205E 08 -0.007E 08 -0.322E 08 -0.336E 08 -0.296E 08 -0.227E 08 -0.135E 08 -0.11E 07 1.205E 05 0.927E 08

-0.2058E 00 -0.9670E 00 -0.5853E 00 -0.9173E 00 -0.9991E 00
-0.9991E 00 -0.9991E 00 -0.9991E 00 -0.9991E 00 -0.9991E 00
-0.9991E 00 -0.9991E 00 -0.9991E 00 -0.9991E 00 -0.9991E 00

[illegible]

	82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M	C7.5E
37.5M																		
32.5M																		
27.5M																		
22.5M																		
17.5M																		
12.5M																		
07.5M																		
02.5M																		

0.3008E 08 -0.2732E 07 0.1208E 08 -0.4573E 07 -0.2834E 07 -0.6533E 07 -0.1039E 08 -0.4776E 07 -0.1001E 07 -0.1679E 07 -0.4096E 07

[illegible]

82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M	07.5M
57.5M								0.1143E 08	0.11453E 08	0.1619E 08	0.1511E 08	0.1370E 08	0.9651E 07	0.4528E 07	0.1865E 07		
52.5M								-0.1304E 07	-0.2487E 07	-0.3181E 07	-0.8C54E 07	-0.1100E 08	-0.0449E 07	-0.5273E 07	-0.1203E 07	0.1149E 07	
47.5M								-0.1790E 08	-0.2732E 08	-0.2597E 08	-0.3115E 08	-0.2833E 08	-0.2234E 08	-0.1543E 08	-0.7478E 07	-0.4871E 05	0.4832E 06
42.5M							-0.11732E 08	-0.2179E 08	-0.3069E 08	-0.4420E 08	-0.4467E 08	-0.5003E 08	-0.44E3E 08	-0.4412E 08	-0.3493E 08	-0.3051E 08	-0.2867E 08
37.5M							-0.33A3E 08	-0.4802E 08	-0.5657E 08	-0.6111E 08	-0.6533E 08	-0.6288E 08	-0.63A1E 08	-0.55A3E 08	-0.5492E 08	-0.4611E 08	-0.3453E 08
32.5M							-0.5255E 08	-0.7452E 08	-0.6397E 08	-0.6273E 08	-0.6454E 08	-0.6064E 08	-0.7519E 08	-0.6600E 08	-0.5682E 08	-0.5676E 08	-0.4126E 08
27.5M							-0.5798E 08	-0.9404E 08	-0.1037E 09	-0.9564E 08	-0.1103E 08	-0.8515E 08	-0.7670E 08	-0.6499E 08	-0.5372E 08	-0.4444E 08	-0.3032E 08
22.5M							-0.1560E 08	-0.3027E 08	-0.6407E 08	-0.6278E 08	-0.76C1E 08	-0.488A6E 08	-0.5903E 08	-0.4705E 08	-0.3605E 08	-0.2409E 08	-0.7762E 07
17.5M							-0.5602E 08	-0.5455E 08	-0.5509E 08	-0.4454E 08	-0.3779E 08	-0.2768E 08	-0.1675E 08	-0.4545E 07	0.3142E 07	0.1276E 08	0.2077E 08
12.5M							-0.14821E 08	-0.7481E 07	-0.8814E 06	0.2480E 07	0.2487E 07	0.1626E 08	0.2195E 08	0.2755E 08	0.3030E 08	0.32E1E 08	0.2796E 08
07.5M								0.3142E 08	0.4C10E 08	0.4309E 08	0.2607E 08	0.2426E 08	0.1298E 08	0.6033E 07	-0.1185E 07	-0.4250E 07	-0.4807E 07
								0.2683E 08	0.2112E 08	0.1229E 08	0.5861E 07	-0.1C20E 07	-0.4835E 07	-0.4246E 07	-0.7454E 07	-0.1C20E 07	-0.4835E 07

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97.5%	C.16C5E C6 C.1551E C6 C.1299C C6 C.1846C C6 C.1424E C6 C.0568E C7 C.1F61E C7
98.5%	-C.17C2E C7 -C.2223E C7 -C.3812E C7 -C.8342E C7 -C.1112E C6 -C.1C15E C6 -C.5664E C7 -C.4170E C7 C.7326E C6
99.5%	-C.1710C C6 -C.2641E C6 -C.4919E C6 -C.3059E C6 -C.3074E C6 -C.2779E C6 -C.22C6E C6 -C.0153E C6 -C.6C48E C7 -C.3141E C6 C.5441E C6
99.5%	-C.1633E C6 -C.228C C6 -C.3946E C6 -C.4C59E C6 -C.4916E C6 -C.4715C C6 -C.6334E C6 -C.3568E C6 -C.346EE C6 -C.2799E C6 -C.1313E C6
99.5%	-C.3112E C6 -C.45C6E C6 -C.54C2E C6 -C.28C2E C6 -C.6319E C6 -C.4438E C6 -C.4184E C6 -C.5659E C6 -C.5315E C6 -C.38E7E C6 -C.2483E C6 -C.2CCEC C7
99.5%	-C.4865E C6 -C.7029E C6 -C.6C17E C6 -C.6344E C6 -C.818C C6 -C.764C C6 -C.4571E C6 -C.56C1E C6 -C.5C26E C6 -C.8110E C6 -C.26E4E C6 -C.0110E C6 C.8426E C7
99.5%	-C.5217E C6 -C.8774E C6 -C.9558E C6 -C.9647E C6 -C.4922E C6 -C.8553E C6 -C.7456E C6 -C.3649E C6 -C.8418E C6 -C.1079E C6 -C.13C2E C6 C.7C29E C6
99.5%	-C.6913E C6 -C.8825E C6 -C.8663E C6 -C.8617E C6 -C.4E15E C6 -C.7425E C6 -C.87C5E C6 -C.5032E C6 -C.468C C6 -C.36C6E C6 -C.2471E C6 -C.8545E C7 C.4473E C7 C.1394E C6
99.5%	-C.5387E C6 -C.5772E C6 -C.55C6E C6 -C.4471E C6 -C.7158E C6 -C.3322E C6 -C.2E51E C6 -C.18C7E C6 -C.8148E C7 C.1286C C7 C.1C74E C6 C.1F62E C6 C.2C5C C6 C.1558E C6
99.5%	-C.1773E C6 -C.9467E C7 C.6578E C5 C.3C61E C7 C.1258E C6 C.18C7E C6 C.7482E C6 C.2757E C6 C.2983E C6 C.3C75C C6 C.24C3E C6 C.18CCE C6 C.5538E C7
99.5%	C.2735E C6 C.3655E C6 C.4CC5E C6 C.3434E C6 C.23C1E C6 C.184C6E C6 C.63C5E C7 -C.5726E C6 -C.7408E C7 -C.7K57E C7
99.5%	C.2436E C6 C.2C81E C6 C.4135E C6 C.6249E C7 -C.3D4E C6 -C.41C3E C7 -C.851E C7 -C.744E C7 -C.25E7E C7 C.9898E C6 -C.6C37E C6 -C.778C C7

57.3M	C.7759M 07	-C.1220M 08	0.1623M 09	0.1138M 06	0.1179M 08	0.1024M 06	0.7610M 07	0.9623M 07	0.1614M 07
58.3M	-0.2066M 07	-C.3564M 07	-C.4712M 07	-0.4719M 07	-0.1222M 08	-0.1039M 08	-0.6313M 07	-0.7449M 07	0.1627M 06
49.3M	-0.1569M 08	-C.2468M 08	-C.2755M 08	-0.2956M 08	-0.2656M 08	-0.2140M 08	-0.1508M 08	-0.8101M 07	-0.3192M 06
48.3M	-0.1444M 08	-C.4407M 08	-C.4123M 08	-0.4471M 08	-0.4111M 08	-0.3730M 08	-0.3304M 08	-0.2663M 08	-0.1275M 06
37.3M	-0.4652M 08	-C.6052M 08	-C.6059M 08	-0.5572M 08	-0.5063M 08	-0.4395M 08	-0.3744M 08	-0.2453M 08	-0.3266M 07
38.3M	-0.4114M 08	-C.7671M 08	-0.7376M 08	-0.6917M 08	-0.5608M 08	-0.4835M 08	-0.4044M 08	-0.2904M 08	-0.1749M 08
27.3M	-0.4255M 08	-0.7614M 08	-0.9241M 08	-0.8370M 08	-0.7636M 08	-0.7110M 08	-0.6309M 08	-0.5471M 08	-0.4511M 08
28.3M	-0.3771M 08	-0.7701M 08	-0.7405M 08	-0.6626M 08	-0.6447M 08	-0.5636M 08	-C.4400M 08	-0.3620M 08	-0.2557M 08
17.3M	-0.4616M 08	-0.5336M 08	-0.5247M 08	-0.4419M 08	-0.3477M 08	-0.2974M 08	-C.1066M 08	-0.1622M 07	0.7163M 08
18.3M	-0.1622M 08	-0.1109M 08	-0.5821M 07	-0.3453M 07	-0.7754M 06	0.0543M 07	0.1277M 08	0.1912M 08	0.2792M 08
07.3M	0.2077M 08	0.2957M 08	0.3423M 08	0.3461M 08	0.2191M 08	0.1362M 08	0.7272M 07	0.7101M 06	-0.6530M 07
07.3M	0.2085M 08	0.1851M 08	0.2022M 08	0.2711M 07	0.7970M 06	-0.2867M 07	-0.7179M 07	-0.6771M 07	-0.2428M 07

FRONTIER EXPANSION OF THE STEEL FUNCTION-COMPONENT NO. 27

82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M	C7.5E				
							0.7028E 07	C.1C08E 08	0.9136E 07	C.1079E 08	0.1003E 08	0.5362E 07	0.6563E 07	0.4678E 07	C.1921E 07						
57.5M							-0.2164E 07	-0.4322E 07	-C.5C54E 07	-0.8617E 07	-0.1120E 08	-0.1012E 08	-C.6541E 07	-0.2747E 07	-0.5023E 05						
52.5M							-C.1450E 08	-C.2371E 08	-C.2678E 08	-0.2627E 08	-C.2852E 08	-0.2606E 08	-0.2164E 08	-0.1451E 08	-0.6029E 07	-0.6793E 08	0.3034E 06				
47.5M							-0.1364E 08	-0.1608E 08	-C.2554E 08	-C.4478E 08	-C.4248E 08	-C.3642E 08	-0.3223E 08	-0.2596E 08	-C.1255E 08						
42.5M							-0.2510E 08	-0.3691E 08	-C.4760E 08	-C.5243E 08	-C.5680E 08	-C.5680E 08	-C.5680E 08	-0.5427E 08	-C.4963E 08	-0.4268E 08	-0.3668E 08	-0.2429E 08	-C.4151E 07		
37.5M							-0.3767E 08	-0.5856E 08	-C.6785E 08	-C.6159E 08	-0.5500E 08	-C.4817E 08	-0.3908E 08	-C.2859E 08	-0.1303E 08	0.5579E 07					
32.5M							-0.3851E 08	-0.7086E 08	-0.6724E 08	-C.6054E 08	-C.7460E 08	-0.6493E 08	-0.5372E 08	-C.4474E 08	-0.3129E 08	-0.1650E 08	-0.2131E 07	0.4628E 07			
27.5M							-0.5278E 08	-0.7251E 08	-0.7730E 08	-0.7440E 08	-C.6879E 08	-C.6282E 08	-0.5537E 08	-C.4548E 08	-0.3605E 08	-0.2594E 08	-0.1144E 08	0.7921E 08	0.1055E 08		
22.5M							-0.4265E 08	-0.5507E 08	-0.5080E 08	-0.4357E 08	-0.3635E 08	-C.3440E 08	-C.3015E 08	-C.2614E 08	-C.1158E 08	-0.3296E 07	0.1366E 08	C.1645E 08	0.1316E 08		
17.5M							-0.1532E 08	-0.1139E 08	-0.4753E 07	-0.4722E 07	-C.2460E 07	C.4086E 07	0.1020E 08	0.1657E 08	0.1657E 08	0.2021E 08	0.2309E 08	C.2432E 08	0.2265E 08	0.1320E 08	0.5794E 07
12.5M							C.1807E 08	C.2764E 08	C.3161E 08	C.2878E 08	0.2093E 08	0.1350E 08	0.7422E 07	0.1103E 07	-0.5993E 07	-0.6435E 07					
07.5M							0.1024E 08	C.1801E 08	0.1247E 08	0.6071E 07	0.1107E 07	-0.2355E 07	-0.6586E 07	-0.6413E 07	-0.3357E 07	0.8594E 08	-C.1430E 08	-C.6108E 07			

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FEEDER EXPANSION OF THE STREAM FUNCTION-COMPONENT NO. 22

	62.5N	72.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N																		
52.5N																		
47.5N																		
42.5N																		
37.5N																		
32.5N																		
27.5N																		
22.5N																		
17.5N																		
12.5N																		
07.5N																		
02.5N																		

CALISE OF C.677NE OF 0.552NE OF 0.624E OF 0.651NE OF 0.563NE OF 0.449NE OF 0.219NE OF C.116E OF

-C.227NE OF -C.453NE OF -C.264NE OF -0.463NE OF -C.155NE OF -0.100NE OF -0.701NE OF -0.361NE OF -0.879NE OF

-C.116NE OF -C.193NE OF -C.227NE OF -0.243NE OF -C.241NE OF -0.225NE OF -0.189NE OF -0.137NE OF -C.136NE OF 0.275NE OF

-0.160NE OF -C.153NE OF -C.207NE OF -0.285NE OF -C.351NE OF -C.377NE OF -0.373NE OF -C.351NE OF -0.319NE OF -0.282NE OF -0.277NE OF -C.114NE OF

-0.176NE OF -0.244NE OF -C.424NE OF -0.462NE OF -0.492NE OF -C.487NE OF -0.470NE OF -C.433NE OF -0.375NE OF -0.327NE OF -0.255NE OF -C.556NE OF

-0.239NE OF -0.493NE OF -0.659NE OF -C.654NE OF -0.601NE OF -C.581NE OF -C.237NE OF -0.492NE OF -C.433NE OF -0.307NE OF -C.276NE OF -0.143NE OF C.192NE OF

-0.342NE OF -0.527NE OF -0.626NE OF -C.624NE OF -0.556NE OF -C.551NE OF -C.497NE OF -0.433NE OF -0.302NE OF -0.173NE OF -0.105NE OF C.219NE OF

-0.266NE OF -0.387NE OF -0.416NE OF -C.334NE OF -0.302NE OF -C.232NE OF -C.156NE OF -0.421NE OF -C.433NE OF -0.302NE OF -0.142NE OF -0.105NE OF C.219NE OF

-0.162NE OF -0.103NE OF -0.821NE OF -C.763NE OF -C.108NE OF -C.377NE OF 0.105NE OF 0.675NE OF C.168NE OF 0.142NE OF -0.421NE OF -C.433NE OF 0.984NE OF

C.562NE OF 0.155NE OF C.203NE OF C.203NE OF C.203NE OF 0.142NE OF 0.142NE OF 0.142NE OF 0.142NE OF 0.142NE OF 0.142NE OF 0.142NE OF 0.142NE OF

C.127NE OF C.134NE OF 0.160NE OF 0.622NE OF 0.212NE OF -0.711NE OF -0.427NE OF -C.463NE OF -C.192NE OF 0.607NE OF C.208NE OF -C.431NE OF

82.5M	71.5	72.5	69.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M
58.5M								0.3650E 07	0.4620E 07	0.4640E 07	0.5620E 07	0.5330E 07	0.4127E 07	0.2647E 07	0.1034E 07	
56.5M								-0.0227E 07	-0.0440E 07	-0.0634E 07	-0.0526E 07	-0.1011E 08	-0.0653E 07	-0.0703E 07	-0.0375E 07	-0.0924E 06
47.5M								-0.1129E 08	-0.0187E 08	-0.02197E 08	-0.02301E 08	-0.02407E 08	-0.0237E 08	-0.0165E 08	-0.01340E 08	-0.07645E 07
42.5M								-0.02776E 08	-0.03375E 08	-0.03047E 08	-0.03622E 08	-0.0415E 08	-0.0312E 08	-0.02762E 08	-0.02216E 08	-0.0115E 06
37.5M								-0.09472E 07	-0.01477E 08	-0.01981E 08	-0.02776E 08	-0.03047E 08	-0.03622E 08	-0.0415E 08	-0.0312E 08	-0.02762E 08
32.5M								-0.1649E 08	-0.02776E 08	-0.03047E 08	-0.03622E 08	-0.0415E 08	-0.0312E 08	-0.02762E 08	-0.02216E 08	-0.0115E 06
27.5M								-0.2311E 08	-0.04020E 08	-0.05084E 08	-0.05425E 08	-0.05790E 08	-0.05944E 08	-0.0603E 08	-0.06244E 08	-0.0631E 07
22.5M								-0.3104E 08	-0.04947E 08	-0.05084E 08	-0.05425E 08	-0.05790E 08	-0.05944E 08	-0.0603E 08	-0.06244E 08	-0.0631E 07
17.5M								-0.2658E 08	-0.03056E 08	-0.03607E 08	-0.03454E 08	-0.02909E 08	-0.02322E 08	-0.01607E 08	-0.00866E 08	-0.00470E 07
12.5M								-0.1015E 08	-0.04977E 07	-0.06126E 07	-0.07755E 07	-0.07461E 07	-0.04504E 07	-0.01442E 07	-0.00338E 07	-0.00142E 06
07.5M								-0.7914E 07	-0.1441E 08	-0.1653E 08	-0.1670E 08	-0.1539E 08	-0.1559E 08	-0.1151E 08	-0.04526E 07	-0.00420E 06
02.5M								-0.1179E 08	-0.1259E 08	-0.05053E 07	-0.0004E 07	-0.2168E 07	-0.0519E 08	-0.0306E 07	-0.0473E 07	-0.00470E 06

FOURIER EXPANSION OF THE STREAM FUNCTION COMPONENT NO. 30

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N								0.2564E 07	C.4855E 07	0.3644E 07	0.4257E 07	0.4540E 07	0.4117E 07	0.3217E 07	0.2259E 07	C.4515E 06		
52.5N								-0.2084E 07	-C.4255E 07	-0.8006E 07	-C.4707E 07	-0.4428E 07	-0.6070E 07	-0.3892E 07	-0.1216E 07			
47.5N								-C.9837E 07	-0.1062E 08	-C.1974E 08	-0.2140E 08	-0.2050E 08	-0.1718E 08	-0.1264E 08	-0.7273E 07	-C.1502E 07	-0.1054E 06	
42.5N								-0.7916E 07	-0.1427E 08	-C.1725E 08	-C.2435E 08	-0.2557E 08	-C.3274E 08	-0.3208E 08	-0.2531E 08	-0.2038E 08	-0.1641E 08	
37.5N								-0.1348E 08	-0.2346E 08	-C.3054E 08	-C.3564E 08	-0.3500E 08	-C.4250E 08	-0.4152E 08	-0.3408E 08	-0.2073E 08	-0.1540E 07	
32.5N								-0.1883E 08	-0.3340E 08	-0.4450E 08	-C.5117E 08	-C.5105E 08	-0.5070E 08	-C.4771E 08	-0.4304E 08	-0.3262E 08	-0.1422E 08	0.1549E 08
27.5N								-C.1687E 08	-0.3707E 08	-0.5003E 08	-C.5782E 08	-C.5687E 08	-0.5313E 08	-C.4603E 08	-0.4354E 08	-0.3750E 08	-0.2442E 08	-0.1732E 07
22.5N								-C.2487E 08	-0.4024E 08	-0.5304E 08	-C.5142E 08	-0.4864E 08	-0.4474E 08	-C.3850E 08	-0.3121E 08	-0.1473E 08	0.4850E 07	0.4024E 07
17.5N								-C.2114E 08	-0.3057E 08	-0.3433E 08	-C.3159E 08	-C.2803E 08	-C.2309E 08	-C.1675E 08	-0.1028E 08	-0.3334E 07	0.3640E 07	0.7756E 07
12.5N								-C.8167E 07	-0.9538E 07	-0.7516E 07	-C.6747E 07	-C.6254E 07	-0.2762E 07	0.1908E 07	0.1274E 08	0.1274E 08	0.5800E 07	0.4414E 07
07.5N								C.5722E 07	0.1060E 08	0.1424E 08	0.1460E 08	0.1116E 08	0.0701E 07	0.5511E 07	0.2502E 07	-0.1976E 07	-0.3509E 07	
02.5N								0.5261E 07	C.1030E 08	0.8094E 07	C.0774E 07	0.2131E 07	-0.1262E 08	-0.3188E 07	-0.3649E 07	-C.1700E 07	0.4450E 06	0.2400E 06

FOURIER EXPANSION OF THE STREAM FUNCTION-COMPONENT No. 37

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	C7.5E
57.5N																	
52.5N																	
47.5N																	
42.5N																	
37.5N																	
32.5N																	
27.5N																	
22.5N																	
17.5N																	
12.5N																	
07.5N																	
02.5N																	

C.2770E OF C.4497E OF 0.3324E OF 0.3044E OF 0.4167E OF 0.3766E OF 0.2646E OF 0.2155E OF 0.1944E OF
 -0.2024E OF -C.4150E OF -C.5360E OF -0.7696E OF -0.9516E OF -0.9233E OF -0.6750E OF -0.3006E OF -0.1164E OF
 -0.9400E OF -C.1556E OF -C.1904E OF -0.2708E OF -0.2126E OF -0.1997E OF -0.1673E OF -0.1235E OF -0.7137E OF -0.1581E OF -0.1254E OF
 -0.1462E OF -C.1104E OF -C.1647E OF -0.2336E OF -C.2600E OF -C.3157E OF -0.3175E OF -0.3025E OF -0.2776E OF -0.2465E OF -0.1967E OF -0.1617E OF
 -C.1263E OF -0.2108E OF -0.2744E OF -C.3412E OF -C.4502E OF -0.4971E OF -0.4922E OF -C.4623E OF -0.4466E OF -0.3637E OF -0.3240E OF -0.2533E OF -0.1417E OF -0.1106E OF
 -0.1753E OF -0.3144E OF -0.4508E OF -0.4466E OF -0.4802E OF -0.4971E OF -0.4922E OF -C.4623E OF -0.4466E OF -0.3637E OF -0.3240E OF -0.2533E OF -0.1417E OF -0.1106E OF
 -0.1504E OF -0.3515E OF -0.4916E OF -0.5354E OF -0.5611E OF -0.5554E OF -0.5428E OF -C.5132E OF -C.4721E OF -0.4330E OF -0.2742E OF -0.1720E OF -0.6287E OF 0.1941E OF
 -0.2306E OF -0.3836E OF -0.4572E OF -0.5096E OF -0.4958E OF -0.4729E OF -C.4351E OF -C.3765E OF -0.3150E OF -0.2404E OF -0.1477E OF -0.5203E OF 0.1564E OF
 -0.1971E OF -0.2860E OF -0.3449E OF -C.3553E OF -C.2923E OF -0.2804E OF -0.2277E OF -C.1682E OF -0.1059E OF -0.3394E OF 0.2941E OF 0.7082E OF 0.7260E OF
 -0.7605E OF -0.8046E OF -0.7250E OF -0.7504E OF -0.7444E OF -C.6571E OF -0.3364E OF 0.1148E OF C.4866E OF 0.8206E OF 0.8111E OF 0.1198E OF 0.2461E OF -0.1966E OF -0.3703E OF
 0.4661E OF 0.9603E OF 0.1305E OF 0.1377E OF 0.1115E OF 0.4712E OF 0.5624E OF 0.2461E OF -0.1966E OF -0.3703E OF
 C.4857E OF C.6102E OF 0.7644E OF 0.5027E OF 0.2083E OF -C.4432E OF -0.2470E OF -C.3701E OF -C.1644E OF 0.4241E OF 0.2982E OF -C.3102E OF

PAULSON EXPANSION OF THE SKEW FUNCTION COEFFICIENT AEL 38

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	C7.5E
57.5N									C.2537E 07	C.4170E 07	C.3590E 07	0.3831E 07	0.3466E 07	0.2741E 07	C.2644E 07	C.1460E 06		
52.5N									-0.1942E 07	-0.4554E 07	-0.7482E 07	-0.9311E 07	-0.9803E 07	-0.6657E 07	-0.3904E 07	-0.1128E 07		
47.5N									-0.6984E 07	-0.1533E 06	-0.2602E 06	-0.2602E 06	-0.1939E 06	-0.1629E 06	-0.1206E 06	-0.4558E 07	-0.1554E 07	-0.1554E 06
42.5N									-0.7638E 07	-0.1144E 06	-0.1573E 06	-0.2227E 06	-0.2768E 06	-0.3044E 06	-0.3171E 06	-0.2655E 06	-0.2351E 06	-0.1928E 06
37.5N									-0.1164E 06	-0.2608E 06	-0.2605E 06	-0.3262E 06	-0.3678E 06	-0.3643E 06	-0.3578E 06	-0.3606E 06	-0.3223E 06	-0.2757E 06
32.5N									-0.1634E 06	-0.2062E 06	-0.2695E 06	-0.4774E 06	-0.4732E 06	-0.4477E 06	-0.4137E 06	-0.3715E 06	-0.3210E 06	-0.2481E 06
27.5N									-0.1443E 06	-0.1293E 06	-0.10647E 06	-0.05328E 06	-0.05233E 06	-0.04965E 06	-0.04561E 06	-0.04124E 06	-0.03506E 06	-0.02739E 06
22.5N									-0.2141E 06	-0.1855E 06	-0.1403E 06	-0.04778E 06	-0.04576E 06	-0.04227E 06	-0.03673E 06	-0.03068E 06	-0.02477E 06	-0.01477E 06
17.5N									-0.1837E 06	-0.2715E 06	-0.3107E 06	-0.2901E 06	-0.2749E 06	-0.2706E 06	-0.2608E 06	-0.1683E 06	-0.1684E 06	-0.4359E 07
12.5N									-0.7807E 07	-0.7645E 07	-0.6790E 07	-0.6794E 07	-0.3865E 07	0.4598E 06	0.4631E 07	0.4294E 07	0.4169E 06	0.1111E 06
07.5N									C.4126E 07	0.4713E 07	0.1158E 06	0.1274E 06	0.1639E 06	0.7606E 07	0.5342E 07	0.2465E 07	-0.0163E 07	-0.3512E 07
02.5N									C.7653E 07	0.9198E 07	0.7221E 07	0.4764E 07	0.2025E 07	0.2210E 07	0.2774E 07	-0.1562E 07	0.3857E 06	C.3034E 06

FASTER EXPANSION OF THE STREAM FUNCTION COMPONENT A3, 39

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N								0.2357E 07	0.3888E 07	0.2749E 07	0.3280E 07	0.3523E 07	0.3215E 07	0.2536E 07	0.1556E 07	0.7632E 06		
52.5N								-0.1859E 07	-0.3646E 07	-0.2141E 07	-0.7495E 07	-0.8623E 07	-0.6554E 07	-0.3891E 07	-0.1347E 07			
47.5N								-0.8559E 07	-0.1472E 08	-0.1770E 08	-0.1935E 08	-0.1997E 08	-0.1892E 08	-0.1566E 08	-0.1177E 08	-0.4656E 07	-0.1686E 06	
42.5N								-0.4642E 07	-0.1078E 08	-0.1078E 08	-0.1078E 08	-0.2617E 08	-0.2617E 08	-0.2617E 08	-0.1874E 08	-0.4642E 07		
37.5N								-0.1111E 08	-0.1586E 08	-0.2672E 08	-0.3122E 08	-0.3531E 08	-0.3796E 08	-0.3541E 08	-0.3132E 08	-0.2721E 08	-0.1931E 08	-0.5528E 07
32.5N								-0.1526E 08	-0.2762E 08	-0.4251E 08	-0.4505E 08	-0.4602E 08	-0.4506E 08	-0.4335E 08	-0.3634E 08	-0.3131E 08	-0.2422E 08	-0.4430E 06
27.5N								-0.1337E 08	-0.3088E 08	-0.4336E 08	-0.5134E 08	-0.5128E 08	-0.5015E 08	-0.4802E 08	-0.4443E 08	-0.4104E 08	-0.3693E 08	-0.1432E 07
22.5N								-0.1992E 08	-0.3392E 08	-0.4650E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08
17.5N								-0.1714E 08	-0.2561E 08	-0.3392E 08	-0.4264E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08	-0.4760E 08
12.5N								-0.4612E 07	-0.7225E 07	-0.7129E 07	-0.7129E 07	-0.7129E 07	-0.7129E 07	-0.7129E 07	-0.7129E 07	-0.7129E 07	-0.7129E 07	-0.7129E 07
07.5N								0.3445E 07	0.7622E 07	0.1100E 08	0.9694E 07	0.7185E 07	0.5063E 07	0.2337E 07	0.1503E 07	-0.3325E 07		
02.5N								0.7307E 07	0.4853E 07	0.6810E 07	0.4594E 07	0.1900E 07	0.7305E 07	-0.2508E 07	-0.3345E 07	-0.1522E 07	0.3569E 06	-0.2463E 07

FOURIER EXPANSION OF THE SKEW FUNCTION, COEFFICIENT NO. 41

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N																		
52.5N																		
47.5N																		
42.5N																		
37.5N																		
32.5N																		
27.5N																		
22.5N																		
17.5N																		
12.5N																		
07.5N																		
02.5N																		

0.2000E 07 C.3503E 07 0.2375E 07 C.2746E 07 0.3011E 07 0.2733E 07 0.2179E 07 C.1663E 07 C.6212E 06
-0.1773E 07 -C.3722E 07 -C.4808E 07 -0.7696E 07 -0.8455E 07 -0.8455E 07 -0.2635E 07 -0.1592E 07
-0.7652E 07 -C.1358E 06 -C.1648E 06 -0.1608E 06 -0.1772E 06 -0.1551E 06 -0.1119E 06 -C.4547E 07 -C.1596E 07 -0.1497E 06
-0.5927E 07 -C.9845E 07 -C.1371E 06 -C.1966E 06 -C.2459E 06 -C.2728E 06 -0.2779E 06 -0.2669E 06 -0.2405E 06 -0.2152E 06 -0.1770E 06 -C.9407E 07
-0.9812E 07 -0.1782E 06 -C.2428E 06 -C.2650E 06 -C.3256E 06 -C.3522E 06 -C.3523E 06 -0.3531E 06 -C.3330E 06 -0.2958E 06 -0.2575E 06 -0.1641E 06 -C.5556E 07
-0.1336E 06 -0.2488E 06 -0.2333E 06 -C.2876E 06 -C.4146E 06 -0.4260E 06 -C.4254E 06 -C.4061E 06 -0.3781E 06 -0.3436E 06 -0.2974E 06 -0.2322E 06 -0.1351E 06 -C.1648E 06
-C.1151E 06 -0.2777E 06 -0.3943E 06 -0.4403E 06 -C.4598E 06 -C.4731E 06 -0.4482E 06 -0.4138E 06 -0.3663E 06 -C.3397E 06 -C.2863E 06 -0.2102E 06 -C.1654E 06 -0.1124E 06 -0.5332E 07 0.7597E 06 0.4659E 07 0.5682E 07
-C.1933E 06 -0.3012E 06 -0.2674E 06 -C.2642E 06 -C.2046E 06 -0.2551E 06 -0.2102E 06 -C.1654E 06 -0.1124E 06 -0.5332E 07 0.7597E 06 0.4659E 07 0.5682E 07
-0.1499E 06 -0.2294E 06 -0.2674E 06 -C.2642E 06 -C.2046E 06 -0.2551E 06 -0.2102E 06 -C.1654E 06 -0.1124E 06 -0.5332E 07 0.7597E 06 0.4659E 07 0.5682E 07
-0.5766E 07 -0.4444E 07 -0.4113E 07 -0.4686E 07 -C.7514E 07 -C.7003E 07 -0.4842E 07 -C.1243E 07 C.1608E 07 0.5534E 07 C.2842E 07 0.9031E 07 0.7354E 07 0.2542E 07
C.2867E 07 0.6552E 07 0.9330E 07 C.1621E 06 0.4417E 07 0.6302E 07 0.4550E 07 0.2196E 07 -0.1280E 07 -C.3019E 07
C.6506E 07 C.7528E 07 0.4075E 07 0.4106E 07 0.1610E 07 0.1435E 06 -0.2693E 07 -C.2524E 07 -C.1411E 07 0.3286E 06 0.3059E 06 -C.2581E 07

C7-9E

C-1619E	07
C-318DE	07
0-214GE	07
C-2576E	07
0-278DE	07
G-2553E	07
0-2C2IE	07
O-1557E	07
C-5B4RE	S6

-0.171E 07 -0.361E 07 -0.879E 01 -0.650E 07 -0.815E 07 -0.624E 07 -0.130E 07 -0.147E 07

[illegible]

67.9E

59 300

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FURTHER EXPANSION OF THE SIGMA FUNCTION-COMPLEMENT A8. 46

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N																		
52.5N																		
47.5N																		
42.5N																		
37.5N																		
32.5N																		
27.5N																		
22.5N																		
17.5N																		
12.5N																		
07.5N																		
02.5N																		

C-1507E 07 C-2003E 07 0.1641E 07 0.1621E 07 0.2000E 07 0.1918E 07 0.1597E 07 0.1210E 07 C-4635E 06
 -C-1474E 07 -C-3170E 07 -C-4254E 07 -0.619E 07 -0.7443E 07 -0.7368E 07 -C-5726E 07 -0.3598E 07 -C-1409E 07
 -0.6335E 07 -C-1115E 08 -C-1372E 08 -0.1575E 08 -C-1544E 08 -0.1522E 08 -C-1303E 08 -C-5625E 07 -C-5445E 07 -C-1535E 07 -0.2360E 06
 -0.4518E 07 -0.7715E 07 -C-1659E 08 -0.1550E 08 -C-2624E 08 -C-2277E 08 -0.2344E 08 -0.2270E 08 -0.2120E 08 -C-1893E 08 -0.1533E 08 -0.4590E 07
 -C-7324E 07 -0.1374E 08 -0.7621E 08 -0.2304E 08 -0.2647E 08 -0.2693E 08 -0.2697E 08 -0.2517E 08 -C-2237E 08 -0.1621E 08 -0.5544E 07
 -0.9815E 07 -0.1844E 08 -C-2604E 08 -0.3098E 08 -0.3372E 08 -0.3518E 08 -C-3560E 08 -C-3433E 08 -0.3442E 08 -0.2677E 08 -0.4620E 08 -C-2059E 08 -0.1240E 08 -C-1622E 07
 -0.8179E 07 -0.2041E 08 -C-3441E 08 -C-3765E 08 -C-3877E 08 -C-3890E 08 -C-3766E 08 -C-3567E 08 -0.3273E 08 -C-2638E 08 -0.2292E 08 -C-1511E 08 -0.4759E 07 C-2281E 06
 -0.1261E 08 -0.2279E 08 -C-2659E 08 -0.3281E 08 -C-3495E 08 -0.3531E 08 -C-3470E 08 -C-3362E 08 -C-2953E 08 -0.2552E 08 -C-2674E 08 -0.1373E 08 -C-4358E 07 0.2743E 06
 -0.1103E 08 -0.1741E 08 -C-2090E 08 -0.2136E 08 -C-2181E 08 -0.2238E 08 -C-2213E 08 -0.1970E 08 -C-1540E 08 -0.1111E 08 -C-6223E 07 -C-9032E 06 C-2943E 07 0.4211E 07
 -0.4215E 07 -0.4861E 07 -0.5532E 07 -0.6547E 07 -C-671E 07 -0.5349E 07 -0.2675E 07 -C-4630E 05 0.2531E 07 C-5065E 07 0.6433E 07 C-5582E 07 0.2601E 07
 C-1654E 07 0.4337E 07 0.6368E 07 C-7154E 07 0.5592E 07 0.4533E 07 0.3364E 07 C-1747E 07 -0.9245E 08 -C-2422E 07
 C-4624E 07 C-5608E 07 0.4600E 07 0.3156E 07 0.1440E 07 C-1972E 08 -C-1743E 07 -C-2424E 03 -C-1173E 07 0.2333E 06 C-2669E 06 -C-2025E 07

67.5E

C.1426E 07 C.2372E 07 0.1535E 07 C.1734E 07 0.1954E 07 0.1792E 07 0.1429E 07 C.1139E 07 C.4385E 06

-0.1422E 07 -C.3065E 07 -C.4128E 07 -0.5557E 07 -C.7227E 07 -0.7169E 07 -0.5595E 07 -0.3324E 07 -C.1401E 07

-0.6076E 07 -C.1073E 08 -0.1475E 08 -C.1543E 08 -0.1477E 08 -0.1266E 08 -0.9507E 07 -C.5705E 07 -C.1515E 07 -C.2432E 06

0.229E 07 -0.731E 07 -0.133E 08 -0.205E 08 -0.220E 08 -0.183E 08 -0.140E 08 -0.781E 07

0.692E 07 -0.1710E 08 -0.1677E 08 -C.2217E 08 -0.265E 08 -C.2909E 08 -0.2601E 08 -C.2767E 08 -0.2483E 08 -0.2175E 08 -0.150E 08 -0.4401E 07

-0.0440 $\alpha = -0.1768$ $\alpha_0 = -0.9488$ $\alpha_1 = -0.3047$ $\beta_0 = -0.1298$ $\beta_1 = -0.1189$ $\beta_2 = -0.1148$ $\gamma_0 = -0.2811$ $\gamma_1 = -0.2531$ $\gamma_2 = -0.2001$ $\delta_0 = -0.1161$ $\delta_1 = -0.1241$

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PERIOD EXPANSION OF THE STEADY FUNCTION COMPONENT NO. 49

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N																		
52.5N																		
47.5N																		
42.5N																		
37.5N																		
32.5N																		
27.5N																		
22.5N																		
17.5N																		
12.5N																		
07.5N																		
02.5N																		

C.1638E OF C.2138E OF 0.1349E OF 0.1573E OF 0.1715E OF 0.1532E OF 0.1255E OF 0.1014E OF 0.0636E OF

-0.1310E OF -0.2768E OF -0.3887E OF -0.5005E OF -0.6123E OF -0.7241E OF -0.8359E OF -0.9477E OF -1.0595E OF

-0.8507E OF -0.6941E OF -0.5375E OF -0.3809E OF -0.2243E OF -0.0677E OF 0.0889E OF 0.2353E OF 0.3817E OF

-0.2672E OF -0.1106E OF 0.0460E OF 0.2024E OF 0.3588E OF 0.5152E OF 0.6716E OF 0.8280E OF 0.9844E OF

-0.6227E OF -0.1184E OF 0.1661E OF 0.3117E OF 0.4573E OF 0.6029E OF 0.7485E OF 0.8941E OF 1.0397E OF

-0.8784E OF -0.1628E OF 0.2725E OF 0.4181E OF 0.5637E OF 0.7093E OF 0.8549E OF 1.0005E OF 1.1461E OF

-0.6797E OF -0.1743E OF 0.2645E OF 0.4091E OF 0.5537E OF 0.6983E OF 0.8429E OF 0.9875E OF 1.1321E OF

-0.1661E OF -0.1554E OF 0.2456E OF 0.3902E OF 0.5348E OF 0.6794E OF 0.8240E OF 0.9686E OF 1.1132E OF

-0.9335E OF -0.1497E OF 0.2599E OF 0.4045E OF 0.5491E OF 0.6937E OF 0.8383E OF 0.9829E OF 1.1275E OF

-0.3546E OF -0.4107E OF -0.4668E OF -0.5229E OF -0.5790E OF -0.6351E OF -0.6912E OF -0.7473E OF -0.8034E OF

0.1233E OF 0.1479E OF 0.1725E OF 0.1971E OF 0.2217E OF 0.2463E OF 0.2709E OF 0.2955E OF 0.3201E OF

C.3868E OF C.4768E OF 0.3511E OF 0.2700E OF 0.1248E OF 0.1086E OF -0.1110E OF -0.2714E OF -0.1055E OF 0.1846E OF 0.2701E OF -0.1764E OF

FOURIER EXPANSION OF THE STREAM FUNCTION-COEFFICIENT NO. 50

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	C7.5E
57.5N																		
52.5N									0.1220E 07	0.1209E 07	0.1477E 07	0.1611E 07	0.1477E 07	0.1174E 07	0.0567E 06	0.3775E 06		
47.5N									-0.1270E 07	-0.2769E 07	-0.3765E 07	-0.5537E 07	-0.6556E 07	-0.5205E 07	-0.2330E 07	-0.1162E 07		
42.5N									-0.5376E 07	-0.9575E 07	-0.1101E 08	-0.1134E 08	-0.1403E 08	-0.1348E 08	-0.0627E 07	-0.5160E 07	-0.2502E 06	
37.5N									-0.2686E 07	-0.6416E 07	-0.1363E 08	-0.1744E 08	-0.2553E 08	-0.2273E 08	-0.1566E 08	-0.1401E 08	-0.7423E 07	
32.5N									-0.5016E 07	-0.1134E 08	-0.2614E 08	-0.2877E 08	-0.3031E 08	-0.3096E 08	-0.3020E 08	-0.2666E 08	-0.2633E 08	-0.2572E 08
27.5N									-0.7550E 07	-0.1550E 08	-0.2171E 08	-0.2614E 08	-0.3210E 08	-0.3373E 08	-0.3307E 08	-0.3143E 08	-0.2507E 08	-0.2507E 08
22.5N									-0.6416E 07	-0.1550E 08	-0.2270E 08	-0.2760E 08	-0.2917E 08	-0.2760E 08	-0.2372E 08	-0.2202E 08	-0.1606E 08	-0.1606E 08
17.5N									-0.1606E 08	-0.1606E 08	-0.1606E 08	-0.1606E 08	-0.1606E 08	-0.1606E 08	-0.1606E 08	-0.1606E 08	-0.1606E 08	-0.1606E 08
12.5N									-0.2686E 07	-0.6416E 07	-0.1363E 08	-0.1744E 08	-0.2553E 08	-0.2273E 08	-0.1566E 08	-0.1401E 08	-0.7423E 07	
07.5N									-0.5016E 07	-0.1134E 08	-0.2614E 08	-0.2877E 08	-0.3031E 08	-0.3096E 08	-0.3020E 08	-0.2666E 08	-0.2633E 08	-0.2572E 08
02.5N									-0.2686E 07	-0.6416E 07	-0.1363E 08	-0.1744E 08	-0.2553E 08	-0.2273E 08	-0.1566E 08	-0.1401E 08	-0.7423E 07	

REVIEW OF THE LITERATURE

-0.1229E 07 -0.2677E 07 -C.3450E 08

-C.5166E 07 -0.9227E 07 -C.1190E 08

0-619E OF -C-191E OF -C-191E OF -C-191E OF

[illegible][illegible][illegible]

Variable	Mean	SD	Min	Max
Age	38.5	12.5	18	65
Gender	0.5	0.5	0	1
Marital Status	0.3	0.5	0	1
Education	12.5	2.5	9	16
Income	3500	1500	1000	7000
Health	0.5	0.5	0	1
Stress	4.5	1.5	1	7
Depression	0.5	0.5	0	1
Life Satisfaction	5.5	1.5	1	9

Case	Year	Age	Sex	Occupation	Education	Marital Status	Religion	Health Status	Family Size	Income	Assets	Liabilities	Net Worth	Life Expectancy	Quality of Life	Healthcare Costs	Long-term Care Costs	Total Costs	Costs as % of Net Worth
000001	2000	65	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000002	2001	66	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000003	2002	67	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000004	2003	68	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000005	2004	69	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000006	2005	70	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000007	2006	71	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000008	2007	72	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000009	2008	73	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000010	2009	74	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000011	2010	75	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000012	2011	76	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000013	2012	77	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000014	2013	78	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000015	2014	79	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000016	2015	80	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000017	2016	81	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000018	2017	82	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76	86	\$12,000	\$18,000	\$30,000	25%
000019	2018	83	M	Retired	High School	Married	Protestant	Good	3	\$25,000	\$100,000	\$50,000	\$150,000	75	85	\$10,000	\$20,000	\$30,000	20%
000020	2019	84	F	Homemaker	High School	Married	Catholic	Good	4	\$20,000	\$80,000	\$40,000	\$120,000	76					

Variable	Mean	SD	Min	Max
Age	35.12	10.12	18	65
Gender	0.45	0.50	0	1
Education	12.50	1.50	9	16
Income	25000	15000	10000	50000
Health	0.85	0.10	0.5	1.0
Stress	0.70	0.15	0.4	1.0
Depression	0.30	0.20	0	1
Life Satisfaction	0.60	0.20	0	1

Variable	Mean	SD	Min	Max
Age	35.4	10.2	18	65
Gender	0.45	0.50	0	1
Marital Status	0.35	0.48	0	1
Education	12.5	1.8	9	16
Income	25000	15000	0	60000
Health	0.65	0.48	0	1
Stress	0.55	0.50	0	1
Depression	0.30	0.45	0	1
Life Satisfaction	0.40	0.50	0	1
Work Satisfaction	0.35	0.48	0	1
Family Satisfaction	0.45	0.50	0	1
Community Satisfaction	0.30	0.45	0	1
Overall Satisfaction	0.35	0.48	0	1

0.355NE 07 G-2434E 07 0.112E C7 G.1780E 06 -0.116NE 07 -0.156E 07 A. 00000000

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	07	06	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	09	08	07	06	05	04	03	02	01	00	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25
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-0.1170E 07 -0.2586E 07 -0.3859E 07 -0.5115E 07 -0.6212E 07 -0.6338E 07 -0.4953E 07 -0.3197E 07 -0.1390E 07

-0.4967E 07 -0.6654E 07 -0.1118E 08 -0.1248E 08 -0.1317E 08 -0.1270E 08 -0.1098E 08 -0.8266E 07 -0.5041E 07 -0.1628E 07 -0.2612E 06

-0.1242E CB -C.1022E OB -C.1647E OB -0.1923E OB -0.1886E OB -0.1771E OB -0.1591E OB -0.1293E OB -0.0911E OB

-0.212E 08 -0.2387E 08 -0.2487E 08 -0.2471E 08 -0.2375E 08 -0.2147E 08 -0.1800E 08 -0.1366E 08 -0.5C17E 07

-0.2819E 08 -0.2859E 08 -0.2831E 08 -0.2806E 08 -0.2500E 08 -0.2208E 08 -0.1770E 08 -0.1066E 08 -0.1050E 07

-0.314E 06 -C.2095E 06 -C.2092E 06 -0.2740E 06 -0.2A55E 08 -0.197NE 08 -C.1337E 08 -0.6337E 07 -0.2546E 06

-0.2831E 08	-C.2729E 08	-C.2479E 08	-0.2176E 08	-0.1806E 08	-0.1237E 08	-0.6259E 07	0.3695E 05
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Variable	Mean	SD	Min	Max	Skewness	Kurtosis	Normality
Age	38.5	12.5	25	65	-0.1	3.2	0.95
Gender	1.2	0.4	1	2	0.5	0.8	0.98
Education	15.2	2.1	12	18	-0.2	2.5	0.96
Income	45000	15000	30000	70000	0.3	2.8	0.94
Health	2.1	0.8	1	3	0.1	1.5	0.99
Stress	3.5	1.2	2	5	0.4	2.1	0.97
Life Satisfaction	4.2	1.5	3	6	-0.1	2.3	0.96
Work Satisfaction	3.8	1.3	2	5	0.2	2.0	0.98
Family Satisfaction	4.5	1.4	3	6	-0.2	2.4	0.95
Community Satisfaction	4.1	1.6	3	6	0.1	2.2	0.97
Overall Satisfaction	4.3	1.5	3	6	-0.1	2.3	0.96

-0.591E 07	-C.3260E 07	-C.1268E 07	0.8774E 06	0.3025E 07	0.4373E 07	C.4036E 07	0.2117E 07
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0.2046 07 C.4278E 07 C.4054E 07 0.4120E 07 0.3119E 07 0.2389E 07 0.1203E 07 -0.7C01E 06 -0.1690E 07

Country	Year	Value	Unit
China	2000	0.3362	0.3362
China	2001	0.4699	0.4699
China	2002	0.3389	0.3389
China	2003	0.2339	0.2339
China	2004	0.1079	0.1079
China	2005	0.1712	0.1712
China	2006	0.1377	0.1377
China	2007	0.1507	0.1507

07.9E

0.109E 07 0.176E 07 0.160E 07 0.126E 07 0.138E 07 0.123E 07 0.065E 06 0.016E 06 0.021E 06

0.1136E 07 -0.2502E 07 -0.3430E 07 -0.4562E 07 -0.6051E 07 -0.6066E 07 -0.4831E 07 -0.3130E 07 -0.1211E 07

0.4788 07 - 0.2572 07 - 0.1074 06 - 0.1096 06 - 0.1272 08 - 0.1232 06 - 0.1067 06 - 0.8145 07 - 0.4916 07 - 0.1372 07 - 0.2508 06

-0.31916	07	-0.56558	07	-0.81848	07	-0.12158	08	-0.15558	08	-0.17358	08	-0.16318	08	-0.17208	08	-0.15708	08	-0.12888	08	-0.67528	07
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Variable	Mean	SD	Min	Max	Skewness	Kurtosis	Normality
Age	35.2	12.5	18	65	-0.1	3.2	0.95
Gender	1.2	0.4	1	2	0.2	3.5	0.98
Education	12.5	2.1	9	16	-0.3	3.1	0.96
Income	45000	15000	20000	80000	0.5	3.8	0.92
Health	2.1	0.8	1	3	-0.1	3.3	0.97
Stress	3.2	1.1	1	5	0.4	3.6	0.94
Quality of Life	4.1	0.9	3	5	-0.2	3.4	0.99

-0.6216 07 -0.1342 08 -0.1606 08 -0.2156 08 -0.2721 08 -0.2756 08 -0.2742 08 -0.2616 08 -0.2420 08 -0.2149 08 -0.1795 08 -0.1672 08 -0.1569 07

-0.542 ME 07 -0.1420E 08 -0.2205E 08 -0.2573E 08 -0.2852E 08 -0.3036E 08 -0.2995E 08 -0.2828E 08 -0.261E 08 -0.238E 08 -0.1975E 08 -0.1308E 08 -0.0268E 07 -0.30519 DA

2.5N
-0.6599E 07 -0.1614E 08 -0.2078E 08 -0.2440E 08 -0.2621E 08 -0.2729E 08 -0.2737E 08 -0.2644E 08 -0.2408E 08 -0.2118E 08 -0.1762E 08 -0.1213E 08 -0.6200E 07 -0.4478E 05

7.5h
-0.7611E 07 -0.1240E 06 -0.1536E 06 -0.1606E 08 -0.172E 08 -0.1759E 08 -0.1783E 08 -0.1601E 06 -0.1328E 06 -0.1508E 08 -0.6202E 07 -0.1988E 07 0.1552E 07 0.3738E 07

Z-5M

7.5M

2.5M

[illegible]

FAULTIER EXPANSION BY THE STREAM FUNCTION-COMPONENT A.B. 55

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N																		
52.5N																		
47.5N																		
42.5N																		
37.5N																		
32.5N																		
27.5N																		
22.5N																		
17.5N																		
12.5N																		
07.5N																		
02.5N																		

C.9650E 06 C.1613E 07 0.9536E 06 0.1106E 07 0.1206E 07 0.1101E 07 0.0796E 06 0.7303E 06 0.2617E 06

-0.1055E 07 -C.2340E 07 -C.2224E 07 -0.4676E 07 -0.5705E 07 -0.5737E 07 -0.4503E 07 -0.2697E 07 -0.1571E 07

-0.4422E 07 -C.7987E 07 -C.1004E 06 -0.1134E 06 -C.1201E 06 -0.1162E 06 -0.1008E 06 -0.7722E 07 -0.4476E 07 -C.1327E 07 -0.2468E 06

-0.2513E 07 -0.5169E 07 -0.7563E 07 -0.1126E 06 -C.1459E 06 -C.1670E 06 -0.1746E 06 -0.1723E 06 -0.1623E 06 -C.1461E 06 -0.1190E 06 -0.6250E 07

-0.4623E 07 -0.5666E 07 -C.1134E 06 -0.1903E 06 -C.2124E 06 -C.2227E 06 -0.2250E 06 -0.2171E 06 -0.1971E 06 -C.1739E 06 -0.1282E 06 -0.4764E 07

-0.0166E 07 -0.1303E 06 -0.2235E 06 -0.2746E 06 -0.2643E 06 -0.2635E 06 -0.2636E 06 -0.2636E 06 -0.2636E 06 -0.1639E 06 -0.1026E 06 -0.1584E 07

-0.4663E 07 -0.1911E 06 -0.2754E 06 -0.2460E 06 -0.2543E 06 -0.2561E 06 -0.2444E 06 -C.2272E 06 -0.2072E 06 -0.1676E 06 -0.1105E 06 -0.4082E 07 -0.3574E 06

-0.4921E 07 -0.1135E 06 -0.1479E 06 -0.1554E 06 -C.1644E 06 -0.1676E 06 -C.1513E 06 -C.1266E 06 -0.0712E 07 -0.6195E 07 -0.2144E 07 0.1054E 07 0.2350E 07

-0.2518E 07 -0.7564E 07 -0.3842E 07 -0.4829E 07 -0.5384E 07 -0.4826E 07 -C.2272E 07 -C.1476E 07 0.3694E 06 0.2352E 07 0.3697E 07 0.3463E 07 0.1849E 07

0.7432E 06 0.2361E 07 0.3598E 07 0.4190E 07 0.3472E 07 0.2615E 07 0.2022E 07 0.1102E 07 -0.6282E 06 -0.4652E 07

C.2845E 07 C.2580E 07 0.2648E 07 0.9324E 06 0.1492E 06 -0.1176E 07 -0.1709E 06 0.1493E 06 0.2344E 06 -C.1460E 07

FAULTIER EXPANSION OF THE STREAM FUNCTION-COMPONENT NO. 50

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N									0.0257E 06	0.1548E 07	0.4106E 06	0.1143E 07	0.1043E 07	0.6326E 06	0.7609E 06	0.2764E 06	02.5E	07.5E
52.5N									-0.1018E 07	-0.2263E 07	-0.4311E 07	-0.5541E 07	-0.5560E 07	-0.4479E 07	-0.2432E 07	-0.1458E 07		
47.5N									-0.4268E 07	-0.7712E 07	-0.1039E 08	-0.1105E 08	-0.0814E 07	-0.7119E 07	-0.4456E 07	-0.1332E 07	-0.2472E 06	
42.5N									-0.2788E 07	-0.4460E 07	-0.1409E 08	-0.1616E 08	-0.1694E 08	-0.1672E 08	-0.1576E 08	-0.1420E 08	-0.1198E 08	-0.4127E 07
37.5N									-0.4414E 07	-0.6788E 07	-0.1257E 08	-0.1554E 08	-0.1837E 08	-0.2102E 08	-0.2108E 08	-0.1916E 08	-0.1652E 08	-0.1244E 08
32.5N									-0.5829E 07	-0.1180E 08	-0.1685E 08	-0.2261E 08	-0.2930E 08	-0.3450E 08	-0.3455E 08	-0.2931E 08	-0.2236E 08	-0.1900E 08
27.5N									-0.4683E 07	-0.1247E 08	-0.1944E 08	-0.2583E 08	-0.3254E 08	-0.3741E 08	-0.3718E 08	-0.2718E 08	-0.2418E 08	-0.1913E 08
22.5N									-0.7418E 07	-0.1413E 08	-0.1834E 08	-0.2159E 08	-0.2174E 08	-0.2456E 08	-0.2478E 08	-0.2406E 08	-0.2267E 08	-0.1554E 08
17.5N									-0.6611E 07	-0.1087E 08	-0.1356E 08	-0.1424E 08	-0.1459E 08	-0.1550E 08	-0.1625E 08	-0.1433E 08	-0.1236E 08	-0.9526E 07
12.5N									-0.2677E 07	-0.2824E 07	-0.3019E 07	-0.3093E 07	-0.3463E 07	-0.4730E 07	-0.5234E 07	-0.5234E 07	-0.4603E 06	-0.2636E 06
07.5N									0.6898E 06	0.2233E 07	0.3397E 07	0.3974E 07	0.4387E 07	0.4771E 07	0.5193E 07	0.5609E 07	0.6094E 06	0.6534E 07
02.5N									0.2714E 07	0.3404E 07	0.4094E 07	0.4784E 07	0.5474E 07	0.6164E 07	0.6854E 07	0.7544E 07	0.8234E 06	0.8924E 07

[illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																												
62.038	71.5	72.5	63.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	2.5	-2.5	-7.5	-12.5	-17.5	-22.5	-27.5	-32.5	-37.5	-42.5	-47.5	-52.5	-57.5	-62.5	-67.5	-72.5	-77.5	-82.5	-87.5	-92.5	-97.5	-102.5	-107.5	-112.5	-117.5	-122.5	-127.5	-132.5	-137.5	-142.5	-147.5	-152.5	-157.5	-162.5	-167.5	-172.5	-177.5	-182.5	-187.5	-192.5	-197.5	-202.5	-207.5	-212.5	-217.5	-222.5	-227.5	-232.5	-237.5	-242.5	-247.5	-252.5	-257.5	-262.5	-267.5	-272.5	-277.5	-282.5	-287.5	-292.5	-297.5	-302.5	-307.5	-312.5	-317.5	-322.5	-327.5	-332.5	-337.5	-342.5	-347.5	-352.5	-357.5	-362.5	-367.5	-372.5	-377.5	-382.5	-387.5	-392.5	-397.5	-402.5	-407.5	-412.5	-417.5	-422.5	-427.5	-432.5	-437.5	-442.5	-447.5	-452.5	-457.5	-462.5	-467.5	-472.5	-477.5	-482.5	-487.5	-492.5	-497.5	-502.5	-507.5	-512.5	-517.5	-522.5	-527.5	-532.5	-537.5	-542.5	-547.5	-552.5	-557.5	-562.5	-567.5	-572.5	-577.5	-582.5	-587.5	-592.5	-597.5	-602.5	-607.5	-612.5	-617.5	-622.5	-627.5	-632.5	-637.5	-642.5	-647.5	-652.5	-657.5	-662.5	-667.5	-672.5	-677.5	-682.5	-687.5	-692.5	-697.5	-702.5	-707.5	-712.5	-717.5	-722.5	-727.5	-732.5	-737.5	-742.5	-747.5	-752.5	-757.5	-762.5	-767.5	-772.5	-777.5	-782.5	-787.5	-792.5	-797.5	-802.5	-807.5	-812.5	-817.5	-822.5	-827.5	-832.5	-837.5	-842.5	-847.5	-852.5	-857.5	-862.5	-867.5	-872.5	-877.5	-882.5	-887.5	-892.5	-897.5	-902.5	-907.5	-912.5	-917.5	-922.5	-927.5	-932.5	-937.5	-942.5	-947.5	-952.5	-957.5	-962.5	-967.5	-972.5	-977.5	-982.5	-987.5	-992.5	-997.5	-1002.5	-1007.5	-1012.5	-1017.5	-1022.5	-1027.5	-1032.5	-1037.5	-1042.5	-1047.5	-1052.5	-1057.5	-1062.5	-1067.5	-1072.5	-1077.5	-1082.5	-1087.5	-1092.5	-1097.5	-1102.5	-1107.5	-1112.5	-1117.5	-1122.5	-1127.5	-1132.5	-1137.5	-1142.5	-1147.5	-1152.5	-1157.5	-1162.5	-1167.5	-1172.5	-1177.5	-1182.5	-1187.5	-1192.5	-1197.5	-1202.5	-1207.5	-1212.5	-1217.5	-1222.5	-1227.5	-1232.5	-1237.5	-1242.5	-1247.5	-1252.5	-1

G.7375	06	C.1227E	07	0.6911E	06	0.7842E	06	0.8504E	06	0.7704E	06	0.4135E	06	0.5317E	06	0.2185E	06
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-0.2250E C6 -0.1824E 07 -C.2606 07 -0.3797E 07 -C.4608 07 -0.4737E C7 -0.3840E 07 -0.2861E 07 -C.1122E 07

-0.344E 07 -0.630E 07 -0.602E 07 -0.914E 07 -0.976E 07 -0.952E 07 -0.633E 07 -0.643E 07 -0.362E 07 -0.115E 07 -0.232E 06

Variable	Mean	SD	Min	Max	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	-0.1	3.2	0.98	Normal
Gender	1.2	0.4	1	2	0.5	0.8	0.95	Normal
Education	12.5	2.1	9	16	-0.2	2.5	0.99	Normal
Income	45000	15000	20000	80000	0.3	2.8	0.97	Normal
Health	2.1	0.8	1	4	0.1	1.5	0.99	Normal
Stress	3.2	1.1	1	5	0.4	2.1	0.96	Normal
Workload	4.1	1.3	2	6	0.2	2.3	0.98	Normal
Job Satisfaction	3.8	1.2	2	5	-0.1	2.6	0.99	Normal
Life Satisfaction	4.2	1.4	3	6	-0.2	2.9	0.97	Normal
Resilience	3.5	1.0	2	5	0.1	2.4	0.98	Normal
Optimism	3.9	1.1	2	5	-0.1	2.7	0.99	Normal
Emotional Stability	3.7	1.2	2	5	0.0	2.5	0.98	Normal
Self-Esteem	3.6	1.1	2	5	-0.1	2.6	0.99	Normal
Life Satisfaction	4.2	1.4	3	6	-0.2	2.9	0.97	Normal
Resilience	3.5	1.0	2	5	0.1	2.4	0.98	Normal
Optimism	3.9	1.1	2	5	-0.1	2.7	0.99	Normal
Emotional Stability	3.7	1.2	2	5	0.0	2.5	0.98	Normal
Self-Esteem	3.6	1.1	2	5	-0.1	2.6	0.99	Normal

C-3406 07 -0.6835 07 -0.1066 08 -0.1256 08 -0.1459 08 -0.1692 08 -0.1791 08 -0.1825 08 -0.1775 08 -0.1623 08 -0.1441 08 -0.1072 08 -0.4166 07

-0.4480E 07 -0.0248E C7 -0.1340E 08 -0.1658E C8 -0.2093E 09 -0.2010E C9 -0.1668E 0A -0.1688E C8 -0.1373E 0B -0.0275E 07 -0.1428E 07

0.9715E 07 -0.1541E 08 -0.1829E 08 -0.2606E 08 -0.2179E 08 -0.2257E 08 -0.2598E 08 -0.1533E 08 -0.1069E 08 -0.2590E 07 -0.4746E 06

0.1108E 08 - 0.1457E 08 - 0.1742E 08 - 0.1924E 08 - 0.2012E 08 - 0.2050E 08 - 0.2011E 08 - 0.1862E 08 - 0.1665E 08 - 0.1411E 08 - 0.1048E 08 - 0.5479E 07 - 0.5569E 06

0.9548E 07	-0.1081E 08	-0.1145E 08	-0.1219E 08	-0.1309E 08	-0.1356E 08	-0.1249E 08	-0.1066E 08	-0.8411E 07	-0.5635E 07	-0.2363E 07	0.1796E 07
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0.2246E 07	-0.234E 07	-0.2940E 07	-0.3611E 07	-0.45C5E 07	-0.4115E 07	-0.3009E 07	-0.1710E 07	-0.2595E 06	C.1329E 07	0.2444E 07	0.375E 07
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C.46556 C6 0.1641E C7 6.2513E 07 C.29606 07 0.2423E 07 0.1794E 07 0.1404E C7 0.7844E C6 -0.5107E 06 -C.1241E 07

0.2095E 07	C.2654E 07	0.2197E 07	C.1507E 07	0.6760E C6	0.1013E C6	-0.9210E D6	-0.123E 07	-C.6979F C6	0.162E C6	0.194E C6	-C.168E 07
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PAULSEN EXPANSION OF THE STREAM FUNCTION, COMPONENT No. 63

	82.5	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5	07.5	02.5	07.5
57.5M																				
52.5M																				
47.5M																				
42.5M																				
37.5M																				
32.5M																				
27.5M																				
22.5M																				
17.5M																				
12.5M																				
07.5M																				
02.5M																				

0.7118E 06 0.1164E 07 0.6427E 08 0.7503E 06 0.8128E 06 0.7734E 06 0.5632E 06 0.5055E 06 0.2660E 06
 -0.7976E 06 -0.1866E 07 -0.2530E 07 -0.3490E 07 -0.4540E 07 -0.4613E 07 -0.3754E 07 -0.2204E 07 -0.1101E 07
 -0.3334E 07 -0.6100E 07 -0.1375E 07 -0.6883E 07 -0.9449E 07 -0.9264E 07 -0.6117E 07 -0.4266E 07 -0.3630E 07 -0.1132E 07 -0.2759E 06
 -0.2682E 07 -0.3782E 07 -0.5842E 07 -0.8942E 07 -0.1120E 08 -0.1207E 08 -0.1372E 08 -0.1505E 08 -0.1596E 08 -0.1673E 08 -0.173E 08 -0.1605E 07 -0.5213E 07
 -0.3271E 07 -0.4653E 07 -0.6107E 07 -0.1214E 08 -0.1402E 08 -0.1641E 08 -0.1773E 08 -0.1726E 08 -0.1580E 08 -0.1403E 08 -0.106E 08 -0.106E 08 -0.106E 08 -0.106E 08
 -0.137E 07 -0.2404E 07 -0.1460E 08 -0.1760E 08 -0.1947E 08 -0.2030E 08 -0.2021E 08 -0.1974E 08 -0.1871E 08 -0.1635E 08 -0.1335E 08 -0.1061E 07 -0.1071E 07
 -0.3301E 07 -0.3446E 07 -0.1460E 08 -0.1502E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08 -0.2100E 08
 -0.5497E 07 -0.1697E 08 -0.1403E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08 -0.1610E 08
 -0.4924E 07 -0.6233E 07 -0.1043E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08 -0.1107E 08
 -0.1822E 07 -0.2156E 07 -0.2254E 07 -0.2833E 07 -0.368E 07 -0.4281E 07 -0.4281E 07 -0.4281E 07 -0.4281E 07 -0.4281E 07 -0.4281E 07 -0.4281E 07 -0.4281E 07 -0.4281E 07
 0.4395E 06 0.1561E 07 0.2451E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07 0.2837E 07
 0.2014E 07 0.2054E 07 0.2114E 07 0.1448E 07 0.0483E 06 0.5542E 05 -0.4518E 06 -0.1311E 07 -0.6780E 06 0.1928E 06 -0.1067E 07

27.94

0.3662E 07 -0.4417E 07 -0.4492E 07 -0.2440E 07 -0.360E 07

07 - 0.66276 07 - 0.9206 07 - 0.90152 07 - 0.9506 07 - 0.6112 07 - 0.3746 07 - 0.109 07 - 0.2672 06

[illegible]

C7-5E

C.66456 06 C.11058 07 0.6114E 06 0.6809E 06 0.7498E 06 0.6720E 06 0.1336E 06 0.4289E 06 C.1904E 06

-C.7465E C6 -0.165E 07 -C.2366E 07 -0.3487E 07 -6.4298E 07 -0.4375E 07 -0.3573E 07 -0.1193E 07

-0.3121E 07 -C.5337E 07 -C.3328E 07 -0.6302E 07 -0.6412E 07 -0.6715E 07 -0.7702E 07 -0.5598E 07 -C.3658E 07 -C.1068E 07 -0.2236E 06

-0.1928	07 - 0.3518	07 - 0.3246	07 - 0.6046	07 - 0.1026	08 - 0.1226	08 - 0.1306	08 - 0.1426	08 - 0.1476	08 - 0.1226	08 - 0.1136	08 - 0.5136	07 - 0.4926
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0.3024E 07 -0.6118E 07 -0.9059E 07 -0.1137E 08 -0.1363E 08 -0.1544E 08 -0.1639E 08 -0.1675E 08 -0.1634E 08 -0.1459E 08 -0.1333E 08 -0.948E 07 -0.2674E 07

0.3975E 07 -0.8269E 07 -0.1205E 08 -0.1459E 08 -0.1635E 08 -0.1630E 08 -0.1913E 08 -0.1908E 08 -0.1848E 08 -0.1742E 08 -0.1562E 08 -0.1275E 08 -0.813E 07 -0.1883E 07

-0.3091E 07 -0.8669E 07 -0.1384E 08 -0.1650E 08 -0.1845E 08 -0.2055E 08 -0.2066E 08 -0.2008E 08 -0.1890E 08 -0.1729E 08 -0.1544E 08 -0.9980E 07 -0.5506E 07 -0.6079E 06

-0.598E 07 -0.991E 07 -0.130E 08 -0.157E 08 -0.174E 08 -0.183E 08 -0.187E 08 -0.171E 08 -0.154E 08 -0.131E 08 -0.940E 07 -0.520E 07 -0.631E 06

-0.4362E 07 -0.7634E 07 -0.9731E 07 -0.1035E 08 -0.1106E 08 -0.1193E 08 -0.1243E 08 -0.1151E 08 -0.9902E 07 -0.7881E 07 -0.5362E 07 -0.2361E 07 0.1687E 06 0.1266E 07

-0-168E	07	-0-190E	07	-0-208E	07	-0-264E	07	-C-345E	07	-C-4C3E	07	-0-386E	07	-0-286E	07	-C-175E	07	-0-4G5E	OA	C-1CAZE	07	O-21IE	07	O-21IE	07
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C-39406 C6 0.1434E 07 0.2190E 07 C-2602E 07 0.211E 07 0.1542E 07 0.823E C6 -0.4770E C6 -0.124E 07

0.160E 07 0.237E 07 0.1961E 07 0.1340E 07 0.5597E 06 0.643E 05 -0.836E 06 -0.1234E 07

[illegible][illegible]

07.94E

[illegible]

FOURIER EXPANSION OF THE STREAM FUNCTION COMPONENT NO. 68

	82.5	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5	07.5M
57.5M																		
52.5M																		
47.5M																		
42.5M																		
37.5M																		
32.5M																		
27.5M																		
22.5M																		
17.5M																		
12.5M																		
07.5M																		
02.5M																		

0.1672E 07 -0.1762E 07 0.1200E 07 0.6273E 06 0.7022E 05 -0.7459E 04 -0.1179E 03 -0.3885E 02 0.4330E 01 0.1707E 00 -0.8130E 00

C7.5E

52.5M
-0.056E 06 -0.1507E 07 -C+2130E 07 -0.3124E 07 -C.0863E 07 -0.3547E 07 -C.3241E 07 -0.2186E 07 -C.9785E 06

67.5M
-0.3740E 07 -0.5084E 07 -0.6522E 07 -0.7493E 07 -0.7866E 07 -0.6954E 07 -0.5198E 07 -0.3333E 07

[illegible]

37. SM

12+SM
-0.142ME OF -0.718ZF OF -0.105SE CB -C.111RE CB -C.160NE OA -C.162AE OA -C.170WE OB -C.170NE OA -C.162OE OB -C.164OE OB -C.164OE OB -C.164OE OB -C.164OE OB

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77-0M      -0.26A1F   0Y  -0.7910E   0Y  -0.1210E   0R  -0.18AGU     0R  -0.1AAUE     0R  -0.1AAUE     0R  -0.1810E     0R  -0.1800E     0R  -0.1800E     0R

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ANALYSIS OF THE STREAM FUNCTION COMPONENT AS A FUNCTION OF THE SPINNING RATE

	62.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M
57.5M									0.5662E 06	0.5081E 06	0.5661E 06	0.6306E 06	0.5873E 06	0.6315E 06	0.3962E 06	0.1582E 06	
50.5M									-0.6369E 06	-0.6164E 07	-0.2077E 07	-0.1041E 07	-0.2762E 07	-0.3048E 07	-0.0542E 06		
47.5M									-0.2968E 07	-0.4937E 07	-0.6390E 07	-0.7291E 07	-0.7837E 07	-0.7659E 07	-0.3246E 07	-0.0797E 06	-0.2075E 06
42.5M									-0.1609E 07	-0.2908E 07	-0.4481E 07	-0.6950E 07	-0.1059E 08	-0.1126E 08	-0.1079E 08	-0.8651E 07	-0.4440E 07
37.5M									-0.3914E 07	-0.5190E 07	-0.7651E 07	-0.9717E 07	-0.1171E 08	-0.1334E 08	-0.1424E 08	-0.1461E 08	-0.1310E 08
32.5M									-0.3339E 07	-0.6059E 07	-0.9131E 08	-0.1454E 08	-0.1576E 08	-0.1657E 08	-0.1661E 08	-0.1617E 08	-0.1510E 08
27.5M									-0.2594E 07	-0.7207E 07	-0.1171E 08	-0.1940E 08	-0.1510E 08	-0.1702E 08	-0.1779E 08	-0.1794E 08	-0.1764E 08
22.5M									-0.4231E 07	-0.8340E 07	-0.1109E 08	-0.1930E 08	-0.1454E 08	-0.1537E 08	-0.1627E 08	-0.1604E 08	-0.1604E 08
17.5M									-0.3815E 07	-0.6448E 07	-0.8625E 07	-0.9618E 07	-0.9492E 07	-0.1030E 08	-0.1086E 08	-0.1010E 08	-0.8768E 07
12.5M									-0.1397E 07	-0.1690E 07	-0.1755E 07	-0.2228E 07	-0.2461E 07	-0.3517E 07	-0.3410E 07	-0.2620E 07	-0.1661E 07
07.5M									0.3094E 06	0.1172E 07	0.1798E 07	0.1798E 07	0.1798E 07	0.1798E 07	0.1798E 07	0.1798E 07	0.1798E 07
02.5M									0.1561E 07	0.1993E 07	0.1644E 07	0.1118E 07	0.4870E 06	0.6193E 05	-0.732E 06	-0.1667E 07	-0.258E 06

[illegible]

0.150E 07 0.1597E 07 0.1592E 07 0.1611E 07 0.1604E 06 0.1614E 05 -0.7633E 00 -0.1178E 07 -0.5443E 06 0.7440E 05 0.1509E 06 -0.8311E 06

67-58

C-403F G6	C.6125E G6	U-4306L G6	C.4748E G6	Q-5075E G6	C.4514E G6	Q-3557E G6	C-3224E G6	C-1337E G6
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-C.0466 C6 -C.1272B 07 -C.1812B 07 -0.269E 07 -C.331E 07 -0.3403E 07 -C.2214E 07 -0.1514E 07 -C.003E C6

-C-232E 07 -C-426E 07 -C-534E 07 -0-630E 07 -0-650JE 07 -0-670E 07 -C-600E 07 -0-402E 07 -C-269E 07 -C-664E 07 -0-194E 06

-G-162E	07 - C-2539E	07 - C-2854E	07 - C-5937E	07 - C-7806E	07 - C-9422E	07 - 0-9874C	07 - G-0941D	07 - 0-9220E	07 - G-8678E	07 - 0-7142E	07 - G-21619E
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-0.2123 07 -0.4289 07 -0.4676 07 -0.6393 07 -0.1019 08 -0.1103 08 -0.1246 08 -0.1244 08 -0.1202 08 -0.1166 08 -0.1043 08 -0.0749 07 -0.0183 07

3d.5n
-0.2791E 07 -0.5022E 07 -0.1103E 08 -0.1373E 08 -C.1448E 08 -C.1457E 08 -0.1423E 08 -C.112E 06 -0.122E 08 -0.1007E 06 -0.6585E 07 -C.160E 07

27.34

22.5M
-0.3582E 07 -0.7117E 07 -0.9512E 07 -0.1155E 08 -0.1294E 08 -0.1371E 08 -0.1412E 08 -0.1409E 08 -0.1324E 08 -0.1201E 08 -0.1101E 08 -0.7537E 07 -0.4347E 07 -0.3000E 07

7.5M
-C.14GE 07 -0.9508E 07 -0.7060E 07 -C.8510E 07 -C.8088E 07 -C.7787E 07 -0.6318E 07 -0.4467E 07 -0.3168E 07

2.5N
-0.1179E 07 -0.1178E 07 -0.1164E 07 -0.1102E 07 -0.2559E 07 -0.2076E 07 -0.2376E 07 -0.1509E 07 -0.1548E 06

[illegible]

37.5N	0.4631E 06	C.7688E 06	0.4649E 06	C.4447E 06	0.4742E 06	0.4207E 06	0.3309E 06	C.3628E 06	C.3774E 06
38.5N	-0.5162E 06	-0.1236E 07	-0.1720E 07	-0.2530E 07	-0.3196E 07	-0.3245E 07	-0.2666E 07	-0.1833E 07	-0.6335E 06
47.5N	-0.2177E 07	-0.4663E 07	-0.3823E 07	-0.6674E 07	-0.6650E 07	-0.6471E 07	-0.5735E 07	-0.4472E 07	-0.2770E 07
48.5N	-0.1279E 07	-0.2766E 07	-0.3635E 07	-0.7460E 07	-0.8705E 07	-0.9406E 07	-0.9074E 07	-0.8275E 07	-0.6820E 07
37.5N	-0.1922E 07	-0.4130E 07	-0.7937E 07	-0.1104E 08	-0.1184E 08	-0.1221E 08	-0.1121E 08	-0.6952E 07	-0.7502E 07
32.5N	-0.2614E 07	-0.5575E 07	-0.8260E 07	-0.1301E 08	-0.1374E 08	-0.1365E 08	-0.1294E 08	-0.1107E 08	-0.6390E 07
27.5N	-0.1899E 07	-0.3816E 07	-0.6473E 07	-0.1142E 08	-0.1405E 08	-0.1465E 08	-0.1287E 08	-0.1073E 08	-0.4644E 07
22.5N	-0.2364E 07	-0.4752E 07	-0.8094E 07	-0.1692E 08	-0.1274E 08	-0.1254E 08	-0.1146E 08	-0.6460E 07	-0.7264E 07
17.5N	-0.3047E 07	-0.5194E 07	-0.4688E 07	-0.7771E 07	-0.4853E 07	-0.4855E 07	-0.4475E 07	-0.4935E 07	-0.7299E 06
12.5N	-0.1107E 07	-0.1301E 07	-0.1373E 07	-0.1791E 07	-0.2440E 07	-0.2666E 07	-0.2263E 07	-0.1527E 07	-0.1373E 07
07.5N	C.2335E 06	0.9162E 06	0.1402E 07	C.1665E 07	0.1214E 07	0.8264E 06	0.4607E 06	0.1223E 07	0.1373E 07
02.5N	0.1250E 07	C.1603E 06	0.1250E 07	0.8801E 06	0.3781E 06	0.3824E 06	0.7778E 06	0.4101E 06	-0.3812E 06
07.5N	0.1250E 07	C.1603E 06	0.1250E 07	0.8801E 06	0.3781E 06	0.3824E 06	0.7778E 06	0.4101E 06	-0.3812E 06

FOURIER EXPANSION OF THE STEADY FUNCTION-COMPONENT NO. 78

82.5h	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5h	07.5h
								C.45C8E C6	C.74E3E C6	0.3V29L C6	C.4307E C6	0.4368E C6	0.41C5E C6	0.3154E C6	C.2521E C6	C.1216E C6	
57.5h																	
52.5h																	
47.5h																	
42.5h																	
37.5h																	
32.5h																	
27.5h																	
22.5h																	
17.5h																	
12.5h																	
07.5h																	
02.5h																	

0.1214E 07 C.1557E 07 0.1282E 07 0.8614E 06 0.3054E 06 0.37C8E C5 -0.2647E 06 -C.2C74E C6 -C.45C4E C6 0.5837E C5 0.1353E 06 -C.4604E C6

07.98

51.5M	C-4351E C6 -C-7260E C6 -0.2610E C6 -C-4175E C6 -C-4442E C6 -C-3530E C6 -C-3055E C6 -C-2525E C6 -C-1175E C6
52.5M	-C-4901E C6 -C-1143E C7 -C-1635E C7 -C-2416E C7 -C-3008E C7 -C-3307E C7 -C-2570E C7 -C-1756E C7 -C-0.6C23E C6
49.5M	-C-2061E C7 -C-3855E C7 -C-4561E C7 -C-5760E C7 -C-6249E C7 -C-6371E C7 -C-5531E C7 -C-4475E C7 -C-2651E C7 -C-0.8155E C6 -C-1760E C6
42.5M	-C-1203E C7 -C-221E C7 -C-3441E C7 -C-534E C7 -C-710E C7 -C-6351E C7 -C-6555E C7 -C-6023E C7 -C-8650E C7 -C-7905E C7 -C-6517E C7 -C-3585E C7
37.5M	-C-1072E C7 -C-3646E C7 -C-5655E C7 -C-7517E C7 -C-9125E C7 -C-1048E C6 -C-1126E C6 -C-1163E C6 -C-1061E C6 -C-9566E C7 -C-0.7176E C7 -C-2558E C7
32.5M	-C-2462E C7 -C-557E C7 -C-0.7613E C7 -C-0.9666E C7 -C-1131E C6 -C-1255E C6 -C-1356E C6 -C-1318E C6 -C-1291E C6 -C-1210E C6 -C-1156E C6 -C-9255E C7 -C-0.6531E C7 -C-0.1533E C7
27.5M	-C-1087E C7 -C-5482E C7 -C-0.851E C6 -C-1237E C6 -C-1326E C6 -C-1357E C6 -C-1419E C6 -C-1395E C6 -C-1332E C6 -C-129E C6 -C-129E C6 -C-1077E C6 -C-0.7349E C7 -C-0.3692E C7 -C-0.6116E C6
22.5M	-C-3160E C7 -C-0.6324E C7 -C-0.8661E C7 -C-1013E C6 -C-1233E C6 -C-1277E C6 -C-1275E C6 -C-1262E C6 -C-1094E C6 -C-449E C7 -C-4956E C7 -C-4637E C7 -C-0.7175E C6
17.5M	-C-2870E C7 -C-0.4858E C7 -C-0.6322E C7 -C-0.6798E C7 -C-0.8033E C7 -C-0.8551E C7 -C-0.8075E C7 -C-7104E C7 -C-5E13E C7 -C-4142E C7 -C-2451E C6 -C-0.6808E C6
12.5M	-C-1040E C7 -C-0.1222E C7 -C-0.1689E C7 -C-0.251E C7 -C-276E C7 -C-2755E C7 -C-2154E C7 -C-1464E C7 -C-5364E C6 -C-3498E C6 -C-1128E C7 -C-1281E C7 -C-0.7485E C6
07.5M	C-2181E C6 -C-0.6620E C6 -C-1315E C7 -C-1561E C7 -C-1226E C7 -C-8597E C6 -C-6745E C6 -C-3797E C6 -C-3466E C6 -C-0.2366E C6
05.5M	C-1179E C7 -C-1514E C7 -C-1245E C7 -C-8379E C6 -C-0.3536E C6 -C-3470E C6 -C-5703E C6 -C-2423E C6 -C-444E C6 -C-5671E C6 -C-1323E C6 -C-4798E C6

62.3m	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	C2.5m	C1.5m
							0.4278E C6	C.7658E C6	0.3707E C6	0.4649E C6	0.4303E C6	0.3862E C6	0.2982E C6	0.2752E C6	0.1844E C6		
62.5m							-0.4766E C6	-C.1114E C7	-C.1508E C7	-0.2359E C7	-C.7937E C7	-0.3026E C7	-0.2913E C7	-0.1720E C7	-C.7667E C6		
67.5m																	
72.5m																	
77.5m																	
82.5m																	
87.5m																	
92.5m																	
97.5m																	
102.5m																	
107.5m																	
112.5m																	
117.5m																	
122.5m																	
127.5m																	
132.5m																	
137.5m																	
142.5m																	
147.5m																	
152.5m																	
157.5m																	
162.5m																	
167.5m																	
172.5m																	
177.5m																	
182.5m																	
187.5m																	
192.5m																	
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212.5m																	
217.5m																	
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227.5m																	
232.5m																	
237.5m																	
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247.5m																	
252.5m																	
257.5m																	
262.5m																	
267.5m																	
272.5m																	
277.5m																	
282.5m																	

	62.5m	71.5	72.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5m	C1.5m						
51.5m								C.4169E	C.4617E	C.3529E	C.0.111E	C.0.368E	C.0.2684E	C.0.268E	C.0.111E	C.0							
52.5m								-C.4642E	-C.0.166E	07 -C.1556E	07 -0.230E	07 -C.269E	07 -C.245E	07 -0.164E	07 -C.771E	C.0							
47.5m								-C.194E	07 -C.362E	07 -C.474E	07 -0.555E	07 -C.560E	07 -0.561E	07 -C.529E	07 -C.469E	07 -C.253E	07 -C.784E	C.0 -0.173E	C.0				
42.5m								-0.113E	07 -C.212E	07 -C.124E	07 -C.851E	07 -C.874E	07 -C.668E	07 -C.860E	07 -C.795E	07 -0.423E	07 -C.343E	C.7					
37.5m								-0.174E	07 -0.267E	07 -C.561E	07 -C.129E	07 -C.467E	07 -C.894E	07 -C.167E	C.0 -0.110E	08 -C.169E	C.0 -0.164E	C.0 -C.554E	07 -C.278E	07			
32.5m								-0.230E	07 -0.496E	07 -C.739E	07 -C.923E	C.0 -0.117E	08 -C.124E	C.0 -C.125E	C.0 -0.123E	C.0 -C.117E	C.0 -0.168E	C.0 -0.8E12E	07 -C.279E	07			
27.5m								-C.179E	07 -0.517E	07 -C.642E	07 -C.162E	C.0 -C.117E	C.0 -C.139E	C.0 -C.135E	C.0 -0.127E	C.0 -C.117E	C.0 -0.982E	07 -C.704E	07 -C.622E	C.0			
22.5m								-C.295E	07 -0.593E	07 -C.602E	07 -C.679E	C.0 -C.110E	C.0 -C.117E	C.0 -C.121E	C.0 -C.121E	C.0 -C.962E	07 -C.689E	07 -C.381E	07 -C.723E	C.0			
17.5m								-C.379E	07 -0.463E	07 -C.596E	07 -C.643E	07 -C.659E	07 -C.767E	07 -C.814E	07 -C.879E	07 -C.389E	07 -0.202E	07 -C.265E	C.0 -C.823E	C.0			
12.5m								-C.881E	C.0 -0.110E	07 -0.121E	07 -C.154E	07 -C.217E	07 -C.264E	07 -C.263E	07 -C.210E	07 -C.144E	C.0 -0.639E	C.0 -C.249E	C.0 -C.164E	07 -C.118E	C.0 -C.764E	C.0	
07.5m								C.204E	C.0 -C.611E	C.0 -C.129E	07 -C.146E	07 -C.146E	07 -C.749E	C.0 -C.266E	C.0 -C.353E	C.0 -C.329E	C.0 -C.329E	C.0 -C.764E	C.0 -C.764E	C.0 -C.764E	C.0 -C.764E	C.0 -C.764E	C.0

[illegible]

[illegible]

	37.5M	32.5M	27.5M	22.5M	17.5M	12.5M	07.5M
37.5M							
32.5M							
27.5M							
22.5M							
17.5M							
12.5M							
07.5M							
02.5M							

FRUITER EXPANSION 80 THE STREAM FUNCTION COMPONENT NO. 85

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E
57.5N								C.3775E C6	C.6260E C6	C.3233E C6	C.7541E C6	0.3701E C6	C.3249E C6	0.2537E C6	C.2270E C6	C.6560E C5		
52.5N								-0.4180E C6	-C.9227E C6	-C.1413E C7	-0.2607E C7	-C.2610E C7	-0.2755E C7	-C.2255E C7	-0.1550E C7	-C.7143E C6		
47.5N								-0.1744E C7	-C.2317E C7	-C.4312E C7	-0.5011E C7	-0.5435E C7	-0.5303E C7	-C.4722E C7	-0.3751E C7	-C.2534E C7	-C.7251E C6	-0.1618E C6
42.5N								-0.1012E C7	-0.1508E C7	-0.2925E C7	-0.4546E C7	-0.6117E C7	-C.7222E C7	-0.7771E C7	-0.7557E C7	-C.6917E C7	-0.5713E C7	-C.3154E C7
37.5N								-C.1573E C7	-0.3298E C7	-0.5024E C7	-C.6437E C7	-C.7655E C7	-C.9047E C7	-C.9753E C7	-0.1011E C6	-0.9244E C7	-C.8211E C7	-C.2573E C7
32.5N								-0.2070E C7	-0.4452E C7	-0.6455E C7	-0.8444E C7	-C.9700E C7	-C.1130E C6	-C.1144E C6	-0.1124E C6	-0.1074E C6	-0.9763E C7	-0.8533E C7
27.5N								-C.1563E C7	-0.4403E C7	-0.7022E C7	-0.9233E C7	-C.1100E C6	-C.1143E C6	-0.1206E C6	-0.1228E C6	-0.1101E C6	-0.1075E C7	-0.9455E C7
22.5N								-0.2060E C7	-0.5364E C7	-0.7225E C7	-0.8637E C7	-C.9600E C7	-C.1062E C6	-0.1104E C6	-0.1100E C6	-0.1100E C6	-0.1060E C7	-0.9533E C7
17.5N								-C.2476E C7	-0.4158E C7	-0.5912E C7	-0.7370E C7	-C.8497E C7	-C.9344E C7	-C.1000E C6	-0.1013E C6	-0.1013E C6	-0.1013E C6	-0.1013E C6
12.5N								-C.0745E C6	-0.1024E C7	-0.1436E C7	-0.1555E C7	-C.2597E C7	-C.2405E C7	-C.1947E C7	-C.1354E C7	-0.0341E C6	-0.2144E C6	-0.1077E C6
07.5N								C.1605E C6	0.7232E C6	C.1059E C7	C.1303E C7	0.1012E C7	0.6463E C6	C.2445E C6	C.3051E C6	-0.3077E C6	-0.7274E C6	
02.5N								C.1000E C7	C.1187E C7	0.1054E C7	0.7065E C6	0.2920E C6	0.2323E C5	-0.4442E C6	-0.7196E C6	-C.3081E C6	-C.4722E C5	-C.2601E C6

[illegible]

52.3h
-0.407E 06 -0.9552E 06 -6.1301E 07 -0.2050E 07 -0.2561E 07 -0.2647E 07 -0.2208E 07 -0.1519E 07 -6.2002E 06

42.3N
-0.6642E 06 -0.1856E 07 -0.2631E 07 -0.4455E 07 -0.5973E 07 -0.7394E 07 -0.7642E 07 -0.7556E 07 -0.6756E 07 -0.6770E 07 -0.5538E 07

32-5N
-0.2016E 07 -C.4337E 07 -C.6487E 07 -C.6213E 07 -C.6474E 07 -0.1C15E 08 -0.1104E 08 -C.1112E 08
-0.0000E 07 -0.0000E 07 -0.0000E 07 -0.0000E 07 -0.0000E 07 -0.0000E 07 -0.0000E 07 -0.0000E 07

$$22.34 = 0.2537E \quad 07 = 0.8339E \quad 08 = 0.8339E \quad 09 = 0.8339E \quad 10 = 0.8339E$$

0.000000 07 -0.5025E 01 -0.5255E 07 -0.6167E 07 -0.5669E 07 -0.6078E 07 -0.5225E 07 -0.6792E 07 -0.5691E 07 -0.5629E 07 -0.5133E 06 0.6594E 06

DT-5N

FUNCTION EXPANSION #	THE SINGULAR FUNCTION COMPONENT	NO. OF	01.5E	02.5E	03.5E	04.5E	05.5E	06.5E	07.5E	08.5E	09.5E	10.5E	11.5E	12.5E	13.5E	14.5E	15.5E	16.5E	17.5E	18.5E	19.5E	20.5E	21.5E	22.5E	23.5E	24.5E	25.5E	26.5E	27.5E	28.5E	29.5E	30.5E	31.5E	32.5E	33.5E	34.5E	35.5E	36.5E	37.5E	38.5E	39.5E	40.5E	41.5E	42.5E	43.5E	44.5E	45.5E	46.5E	47.5E	48.5E	49.5E	50.5E	51.5E	52.5E	53.5E	54.5E	55.5E	56.5E	57.5E	58.5E	59.5E	60.5E	61.5E	62.5E	63.5E	64.5E	65.5E	66.5E	67.5E	68.5E	69.5E	70.5E	71.5E	72.5E	73.5E	74.5E	75.5E	76.5E	77.5E	78.5E	79.5E	80.5E	81.5E	82.5E	83.5E	84.5E	85.5E	86.5E	87.5E	88.5E	89.5E	90.5E	91.5E	92.5E	93.5E	94.5E	95.5E	96.5E	97.5E	98.5E	99.5E	100.5E
01.5E	02.5E	03.5E	04.5E	05.5E	06.5E	07.5E	08.5E	09.5E	10.5E	11.5E	12.5E	13.5E	14.5E	15.5E	16.5E	17.5E	18.5E	19.5E	20.5E	21.5E	22.5E	23.5E	24.5E	25.5E	26.5E	27.5E	28.5E	29.5E	30.5E	31.5E	32.5E	33.5E	34.5E	35.5E	36.5E	37.5E	38.5E	39.5E	40.5E	41.5E	42.5E	43.5E	44.5E	45.5E	46.5E	47.5E	48.5E	49.5E	50.5E	51.5E	52.5E	53.5E	54.5E	55.5E	56.5E	57.5E	58.5E	59.5E	60.5E	61.5E	62.5E	63.5E	64.5E	65.5E	66.5E	67.5E	68.5E	69.5E	70.5E	71.5E	72.5E	73.5E	74.5E	75.5E	76.5E	77.5E	78.5E	79.5E	80.5E	81.5E	82.5E	83.5E	84.5E	85.5E	86.5E	87.5E	88.5E	89.5E	90.5E	91.5E	92.5E	93.5E	94.5E	95.5E	96.5E	97.5E	98.5E	99.5E	100.5E			
01.5E	02.5E	03.5E	04.5E	05.5E	06.5E	07.5E	08.5E	09.5E	10.5E	11.5E	12.5E	13.5E	14.5E	15.5E	16.5E	17.5E	18.5E	19.5E	20.5E	21.5E	22.5E	23.5E	24.5E	25.5E	26.5E	27.5E	28.5E	29.5E	30.5E	31.5E	32.5E	33.5E	34.5E	35.5E	36.5E	37.5E	38.5E	39.5E	40.5E	41.5E	42.5E	43.5E	44.5E	45.5E	46.5E	47.5E	48.5E	49.5E	50.5E	51.5E	52.5E	53.5E	54.5E	55.5E	56.5E	57.5E	58.5E	59.5E	60.5E	61.5E	62.5E	63.5E	64.5E	65.5E	66.5E	67.5E	68.5E	69.5E	70.5E	71.5E	72.5E	73.5E	74.5E	75.5E	76.5E	77.5E	78.5E	79.5E	80.5E	81.5E	82.5E	83.5E	84.5E	85.5E	86.5E	87.5E	88.5E	89.5E	90.5E	91.5E	92.5E	93.5E	94.5E	95.5E	96.5E	97.5E	98.5E	99.5E	100.5E			

[illegible]

AD-A067 406

NEW YORK UNIV BRONX GEOPHYSICAL SCIENCES LAB

F/G 4/2

A THREE DIMENSIONAL MODEL OF THE WIND DRIVEN HORIZONTAL VELOCIT--ETC(U)

OCT 63 E S HASSAN, F D MALONE

N62306-794

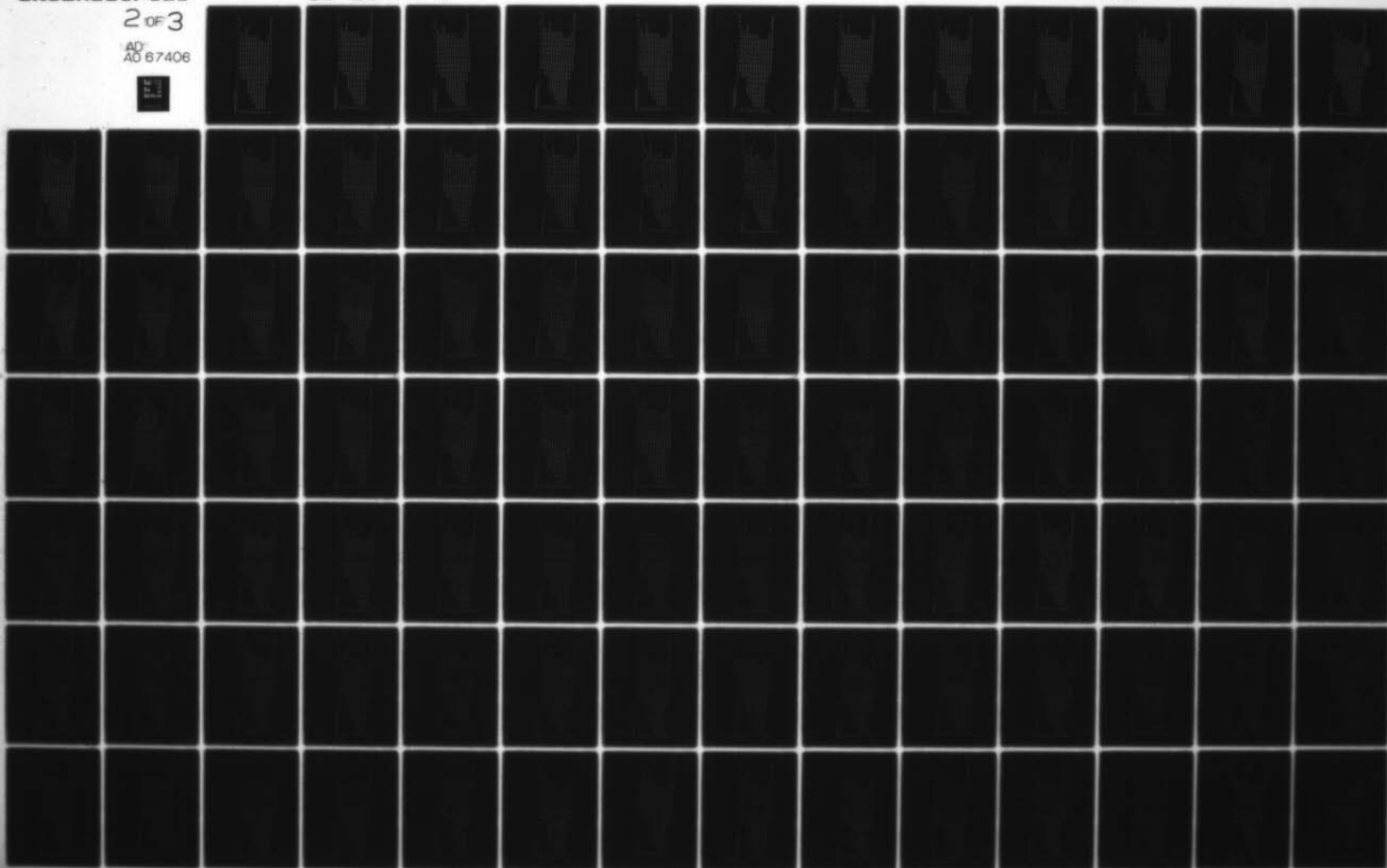
UNCLASSIFIED

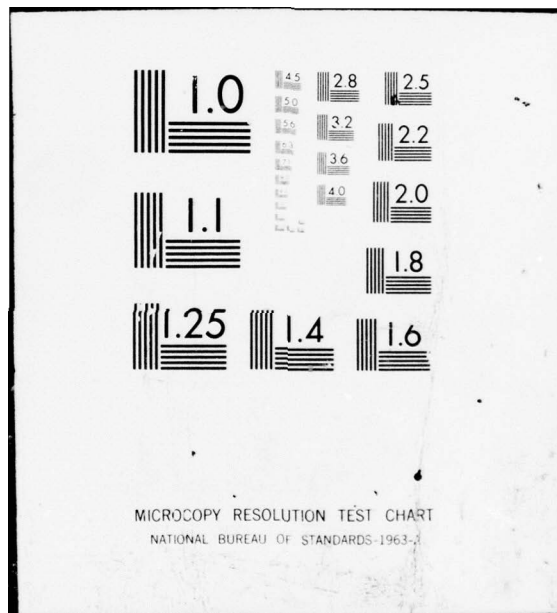
63-13-PT-3

NL

2 OF 3

AD
A0 67406





C.3359E C6 6.5567E C6 0.2650E 06 C.306JE 06 0.322IE C6 0.281IE C6 0.2185E 06 C.206JE C6 C.8667E C5

[illegible]

07.9C

5052E

1000

C7.9E

57.3M	C.5142E 06	C.5507E 06	C.2653E 06	C.2840E 06	C.2974E 06	C.2509E 06	C.1508E 06	C.8034E 05
58.3M	-0.3435E 06	-C.6155E 06	-C.1180E 07	-0.1759E 07	-0.2203E 07	-0.2265E 07	-C.1914E 07	-0.1324E 07
59.3M	-C.1457E 07	-C.2756E 07	-C.3400E 07	-0.4196E 07	-0.4579E 07	-0.4541E 07	-C.4051E 07	-0.3184E 07
47.3M	-C.1457E 07	-C.2756E 07	-C.3400E 07	-0.4196E 07	-0.4579E 07	-0.4541E 07	-C.4051E 07	-0.3184E 07
48.3M	-0.1274E 07	-0.2639E 07	-C.1138E 07	-C.5332E 07	-C.6525E 07	-0.6525E 07	-C.6414E 07	-0.7839E 07
37.3M	-0.1274E 07	-0.2639E 07	-C.1138E 07	-C.5332E 07	-C.6525E 07	-0.6525E 07	-C.6414E 07	-0.7839E 07
38.3M	-0.1679E 07	-C.5474E 07	-C.6974E 07	-C.8053E 07	-0.8862E 07	-C.9511E 07	-0.9458E 07	-C.8271E 07
32.3M	-0.1259E 07	-0.3790E 07	-0.7421E 07	-C.9763E 07	-C.9486E 07	-0.1005E 08	-0.1528E 08	-C.1618E 08
27.3M	-0.1259E 07	-0.3790E 07	-0.7421E 07	-C.9763E 07	-C.9486E 07	-0.1005E 08	-0.1528E 08	-C.1618E 08
28.3M	-0.2171E 07	-0.4396E 07	-0.5945E 07	-C.8257E 07	-C.8836E 07	-0.0910E 07	-0.0928E 07	-C.0809E 07
17.3M	-0.1981E 07	-0.3410E 07	-0.4438E 07	-0.4805E 07	-0.5237E 07	-C.5711E 07	-C.5711E 07	-0.6155E 07
12.3M	-0.7097E 06	-0.6270E 06	-0.6745E 06	-0.1167E 07	-C.1617E 07	-C.1968E 07	-0.2027E 07	-C.1667E 07
07.3M	C.1455E 06	C.5877E 06	C.8288E 06	C.1651E 07	0.8553E 06	C.5419E 06	0.4212E 06	0.2341E 06
	C.8201E 06	C.1658E 07	0.8559E 06	0.3752E 06	0.1315E 05	0.1455E 06	0.6113E 06	0.3767E 05
	C.8201E 06	C.1658E 07	0.8559E 06	0.3752E 06	0.1315E 05	0.1455E 06	0.6113E 06	0.3767E 05

97.5%

37.5M	0.3606E 06	C.4080E 06	0.2534E 06	0.2708E 06	0.2831E 06	0.2438E 06	0.1902E 06	0.1614E 06	0.7650E 05
38.5M	-0.3264E 06	-C.7603E 06	-C.1130E 07	-0.1666E 07	-0.2114E 07	-0.2105E 07	-0.1840E 07	-0.1374E 07	-0.5122E 06
41.5M	-0.1302E 07	-0.2636E 07	-C.3449E 07	-0.4626E 07	-0.4395E 07	-0.4360E 07	-0.3892E 07	-0.3082E 07	-0.1613E 07
42.5M	-0.7412E 06	-0.1408E 07	-0.3308E 07	-0.3817E 07	-0.4874E 07	-C.3794E 07	-0.6251E 07	-0.6345E 07	-0.6126E 07
31.5M	-0.1213E 07	-0.2570E 07	-0.3549E 07	-0.4244E 07	-0.4244E 07	-0.7237E 07	-C.7626E 07	-0.5313E 07	-0.8077E 07
32.5M	-0.1590E 07	-0.3472E 07	-0.5228E 07	-0.6467E 07	-0.7705E 07	-C.8190E 07	-0.9044E 07	-0.9077E 07	-0.8760E 07
27.5M	-0.1197E 07	-0.3615E 07	-0.5080E 07	-0.7284E 07	-0.8401E 07	-0.9684E 07	-0.9631E 07	-0.9998E 07	-0.8742E 07
22.5M	-0.2046E 07	-0.4195E 07	-0.5678E 07	-0.6579E 07	-0.7408E 07	-C.8460E 07	-0.8892E 07	-0.8455E 07	-0.7770E 07
17.5M	-0.1689E 07	-0.3255E 07	-0.4240E 07	-0.4568E 07	-0.5010E 07	-0.5545E 07	-0.5938E 07	-0.5879E 07	-0.4315E 07
13.5M	-0.8759E 06	-0.7668E 06	-0.8315E 06	-0.1113E 07	-0.1944E 07	-C.1914E 07	-0.1600E 07	-C.1151E 07	-0.5992E 06
07.5M	0.1265E 06	0.5602E 06	0.4494E 06	C.1100E 07	0.7438E 06	0.5113E 06	0.2608E 06	0.2201E 06	-0.2535E 06
05.5M	0.7830E 06	C.1010E 07	0.8295E 06	0.5483E 06	0.2202E 06	0.1130E 06	-0.3070E 06	-C.3138E 06	0.4880E 06

82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	07.5M
57.5M							0.2040E 06	C.4481E 06	0.2478E 06	C.2642E 06	0.2763E 06	0.2396E 06	0.1854E 06	0.1169E 06	0.7468E 05		
52.5M						-0.3210E 06	-0.7635E 06	-C.1104E 07	-0.1451E 07	-C.2072E 07	-0.2191E 07	-0.1805E 07	-0.1250E 07	-C.5524E 06			
47.5M						-0.1362E 07	-C.2582E 07	-C.3377E 07	-0.3544E 07	-C.4207E 07	-0.4274E 07	-0.3816E 07	-0.3003E 07	-C.1877E 07	-C.5903E 06	-0.1347E 06	
42.5M					-0.7226E 06	-0.1454E 07	-C.2257E 07	-C.48771E 07	-C.5664E 07	-0.6124E 07	-0.6218E 07	-0.6005E 07	-0.5515E 07	-0.4586E 07	-C.2234E 07		
37.5M					-0.1164E 07	-0.2511E 07	-0.3361E 07	-C.4978E 07	-0.7074E 07	-C.7685E 07	-0.7578E 07	-C.7917E 07	-0.7731E 07	-C.6655E 07	-0.5046E 07	-C.2053E 07	
32.5M					-0.1581E 07	-0.3364E 07	-0.5111E 07	-0.6521E 07	-0.7939E 07	-0.8697E 07	-C.9010E 07	-0.8695E 07	-C.8535E 07	-0.7795E 07	-0.6453E 07	-0.4314E 07	-C.1168E 07
27.5M					-0.1108E 07	-0.3532E 07	-0.5855E 07	-0.7124E 07	-0.8219E 07	-0.8895E 07	-0.9429E 07	-C.9551E 07	-C.9545E 07	-0.9208E 07	-C.8564E 07	-0.7229E 07	-0.5248E 07
22.5M					-0.2020E 07	-0.4100E 07	-0.5552E 07	-0.6827E 07	-0.7720E 07	-0.8280E 07	-0.8649E 07	-0.8710E 07	-C.8285E 07	-0.7518E 07	-C.6586E 07	-0.4984E 07	-0.3248E 07
17.5M					-0.1845E 07	-0.3162E 07	-0.4146E 07	-0.4467E 07	-0.4902E 07	-0.5428E 07	-0.5615E 07	-0.5544E 07	-0.4984E 07	-0.4136E 07	-C.3030E 07	-0.1625E 07	-0.3340E 06
12.5M					-0.6599E 06	-0.7616E 06	-0.8114E 06	-0.1087E 07	-C.1511E 07	-0.1873E 07	-0.1907E 07	-0.1575E 07	-C.1133E 07	-0.5538E 06	C.7844E 05	0.6217E 06	0.7659E 06
07.5M							C.1352E 06	0.5472E 06	0.8222E 06	C.8762E 06	0.7443E 06	C.4970E 06	C.3854E 06	C.2135E 06	-0.2510E 06	-0.5377E 06	
02.5M								0.7654E 06	C.8874E 06	0.8679E 06	C.5355E 06	0.2145E 06	0.1045E 05	-0.3659E 06	-0.5742E 06	-0.3076E 06	0.9313E 05

C7.98F

C.2803E 06	C.4779E 06	0.2424E 06	C.2581E 06	0.2697E 06	C.2331E 06	0.1806E 06	C.1727E 06	0.7293E 05
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..... -C.169E 07 -C.169E 07 -0.203E 07 -0.210E 07 -C.177E 07 -0.127E 07 -C.572E C6

----- 07 -0.268E 07 -0.821E 07 -0.419E 07 -0.374E 07 -0.294E 07 -0.1E4E 07 -0.58C2E C6 -0.1325E C6

[illegible]

NO. 00072-1 NO. 00068-1
NO. 00069-1 NO. 00065-1
NO. 00066-1 NO. 00062-1
NO. 00067-1 NO. 00058-1
NO. 00063-1 NO. 00054-1
NO. 00064-1 NO. 00050-1
NO. 00060-1 NO. 00046-1
NO. 00061-1 NO. 00042-1
NO. 00057-1 NO. 00038-1
NO. 00053-1 NO. 00034-1
NO. 00055-1 NO. 00030-1
NO. 00051-1 NO. 00026-1
NO. 00052-1 NO. 00022-1
NO. 00048-1 NO. 00018-1
NO. 00049-1 NO. 00014-1
NO. 00045-1 NO. 00010-1
NO. 00046-1 NO. 00006-1
NO. 00042-1 NO. 00002-1

[illegible]

100

[illegible]

[illegible]

0.7161E 06 0.9245E 06 0.7157E 06 0.4999E 06 0.1987E 06 0.2185E 06 -0.3607E 06 -0.5404E 06 -0.2859E 06 0.3257E 05 -0.8767E 05 -0.4260E 06

FOURIER EXPANSION OF THE STREAM FUNCTION-COMPONENT N=100

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N	07.5E	02.5E
57.5N																			
52.5N									0.2713E 06	C.4403E 06	0.2271E 06	C.2410E 06	0.2514E 06	0.2164E 06	0.1673E 06	0.1609E 06	C.4804E 05		
47.5N									-0.2932E 06	-0.7019E 06	-0.1010E 07	-0.1523E 07	-0.1914E 07	-0.1900E 07	-0.1673E 07	-0.1161E 07	-0.5429E 06		
42.5N									-0.1250E 07	-0.2374E 07	-0.3110E 07	-0.3638E 07	-0.3968E 07	-0.3952E 07	-0.3533E 07	-0.2784E 07	-0.1742E 07	-0.5502E 06	-0.1262E 06
37.5N									-0.4546E 06	-0.1120E 07	-0.2048E 07	-0.3350E 07	-0.5051E 07	-0.5745E 07	-0.5555E 07	-0.5106E 07	-0.4233E 07	-0.2351E 07	
32.5N									-0.1078E 07	-0.2284E 07	-0.3537E 07	-0.4970E 07	-0.5618E 07	-0.5618E 07	-0.5618E 07	-0.5618E 07	-0.5618E 07	-0.5618E 07	-0.5618E 07
27.5N									-0.1423E 07	-0.3102E 07	-0.4682E 07	-0.5564E 07	-0.6028E 07	-0.6168E 07	-0.6168E 07	-0.6168E 07	-0.6168E 07	-0.6168E 07	-0.6168E 07
22.5N									-0.1062E 07	-0.2327E 07	-0.3563E 07	-0.4610E 07	-0.5496E 07	-0.6102E 07	-0.6461E 07	-0.6461E 07	-0.6461E 07	-0.6461E 07	-0.6461E 07
17.5N									-0.1843E 07	-0.3707E 07	-0.5007E 07	-0.6264E 07	-0.7102E 07	-0.7617E 07	-0.7967E 07	-0.8180E 07	-0.8180E 07	-0.8180E 07	-0.8180E 07
12.5N									-0.1686E 07	-0.3511E 07	-0.4800E 07	-0.6052E 07	-0.7102E 07	-0.7855E 07	-0.8339E 07	-0.8536E 07	-0.8536E 07	-0.8536E 07	-0.8536E 07
07.5N									-0.4015E 06	-0.6994E 06	-0.9927E 06	-0.1326E 07	-0.1724E 07	-0.2176E 07	-0.2659E 07	-0.3194E 07	-0.3743E 06	-0.4301E 06	-0.4878E 06
02.5N																			

PREC. TERMINATED BY CALL EXIT STATEMENT.

NO. 44 16122 AM 24000001 17 14000003

LAST CASE REAL FROM MAIN 100 INPT TARE WAS ...

[illegible]

ZONAL VELOCITY IN CM./SEC. AT LEVEL NO. 2

	67.5	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5	07.5
57.5N																		
52.5N																		
47.5N																		
42.5N																		
37.5N																		
32.5N																		
27.5N																		
22.5N																		
17.5N																		
12.5N																		
07.5N																		
02.5N																		

-0.3260E 01 -0.2084E 01 0.8174E 00 0.1136E 01 0.2895E 00 -0.1723E 01 -0.2178E 01 -0.176E 01 0.1357E 00

0.8554E 01 0.3375E 02 0.2650E 02 0.2628E 02 0.2417E 02 0.1932E 02 0.1285E 02 0.7282E 01 0.3465E 01

0.1857E 02 0.1601E 02 0.1457E 02 0.1074E 02 0.0921E 01 0.0403E 01 0.1127E 02 0.1061E 02 0.4444E 01 -0.1238E 01 -0.4

0.1322E 02 0.2163E 02 0.1619E 02 0.0507E 01 0.0649E 01 0.0649E 01 0.5200E 01 0.3600E 01 0.4630E 01 0.2108E 00 -0.4004E 01

0.1802E 02 0.1803E 02 0.1160E 02 0.0507E 01 0.1561E 01 0.1054E 00 -0.4578E 01 -0.3813E 01 -0.5802E 01 -0.4472E 01 -0.1040E 02 -0.1131E 02

0.1306E 02 0.1354E 02 0.1354E 02 0.4466E 01 0.1078E 02 -0.8372E 00 0.5631E 01 -0.4008E 01 0.1517E 01 -0.7104E 01 -0.6126E 01 0.3002E 01

0.4677E 02 -0.8833E 01 0.1415E 02 -0.7444E 01 0.1014E 02 -0.8225E 01 0.4933E 01 -0.8506E 01 0.4356E 00 -0.1842E 02 -0.4607E 01 -0.1510E 02 -0.7433E 01 -0.1044E 02 0.8768E 01

-0.1020E 02 -0.2079E 02 -0.3791E 02 -0.2709E 02 -0.2109E 02 -0.2997E 02 -0.2997E 02 -0.2235E 02 -0.2993E 02 -0.2207E 02 -0.2637E 02 -0.1506E 02 -0.1458E 02 -0.3725E 01

-0.7014E 02 -0.3284E 02 -0.6382E 02 -0.3522E 02 -0.5306E 02 -0.2784E 02 -0.4141E 02 -0.3008E 02 -0.2093E 02 -0.1221E 02 -0.1739E 02 0.4083E 01 0.2093E 01 0.1494E 02

-0.1622E 02 -0.7498E 01 -0.9525E 01 0.2617E 01 -0.2213E 01 -0.2351E 02 -0.0753E 01 -0.6723E 01 0.4688E 01 0.9194E 01 0.1633E 02 0.1507E 02 0.1029E 02 0.1151E 02

0.1458E 02 0.2311E 02 0.8508E 01 0.1912E 02 0.1332E 02 0.1421E 02 0.1065E 02 0.1059E 02 0.3538E 01 0.5267E 01

0.1428E 02 0.1249E 01 0.1821E 01 -0.6553E 01 -0.3261E 01 -0.7578E 01 -0.4477E 01 -0.5761E 01 -0.4

-0.

-0.

-0.

ZENAL VELOCITY IN CM./SEC. AT LEVEL NO. 1													
82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5
57.5N													
52.5N													
47.5N													
42.5N													
37.5N													
32.5N													
27.5N													
22.5N													
17.5N													
12.5N													
07.5N													
02.5N													

07-58

	82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	02.5M	07.5M
57.5M									-0.4500E-00	0.1500E-00	0.7000E-01	0.7000E-01	0.1000E-00	0.4000E-01	0.1	-1.6000E-02		
52.5M							0.4000E-01	0.4000E-01	0.5000E-01	0.7000E-01	0.2000E-01	1.0000E-02	0.	-6.2000E-01	0.3000E-01			
47.5M							0.1400E-00	0.10E-00	0.1100E-00	0.1600E-03	0.1000E-00	0.6000E-01	0.3000E-01	-1.0000E-02	-1.6000E-02	-0.3000E-01	0.3000E-01	
42.5M							0.2200E-00	0.1700E-00	0.1200E-00	0.1300E-00	0.1100E-00	0.4000E-01	0.6000E-01	-0.1300E-00	-0.4100E-00			
37.5M			1.9000E-02	0.1600E-00	0.1600E-00	0.2700E-00	0.3500E-00	0.2300E-00	0.2200E-00	0.2100E-00	0.4000E-01	-0.2000E-01	-0.3000E-01	-0.7000E-00	-0.1000E-00			
32.5M		0.1200E-00	0.2900E-00	0.2800E-00	0.2500E-00	0.1300E-00	0.1200E-00	0.1200E-00	0.3200E-01	0.2000E-01	0.	-0.6000E-01	-0.2500E-00	-0.3100E-00	-0.7200E-00			
27.5M	0.4000E-01	0.5000E-00	0.4000E-01	0.7000E-01	0.6000E-01	0.7000E-01	0.4000E-01	0.3000E-01	0.	-0.2000E-01	-0.1200E-00	-0.3300E-00	-0.4400E-00	-0.4000E-00	-0.6000E-00			
22.5M	0.5000E-01	0.3000E-01	0.4000E-01	0.5000E-01	0.5000E-02	-0.2000E-01	-0.2000E-01	-0.4000E-01	-0.1600E-00	-0.2200E-00	-0.3300E-00	-0.4500E-00	-0.6000E-00	-0.7500E-00				
17.5M	0.4000E-01	-0.1300E-00	-0.1000E-01	0.	-0.5000E-01	-0.9000E-01	-0.1800E-00	-0.2400E-00	-0.2700E-00	-0.2500E-00	-0.3100E-00	-0.3500E-00	-0.5200E-00	-0.7000E-00				
12.5M	-0.1300E-00	-0.4400E-00	-0.3500E-00	1.0000E-02	-0.2100E-00	-0.1600E-00	-0.1400E-00	-0.3600E-00	-0.1700E-00	-0.2900E-00	-0.3100E-00	-0.1900E-00	-0.5000E-01	-0.5000E-01				
07.5M					-0.8000E-01	-0.4000E-01	-0.4000E-01	-0.4000E-01	-0.6000E-01	0.2000E-01	0.2000E-00	0.1000E-00	0.2100E-00	0.3700E-00	0.4700E-00			
02.5M					0.3600E-01	0.2400E-00	0.4500E-00	0.3600E-00	0.2400E-00	0.4500E-00	0.3600E-00	0.2400E-00	0.4500E-00	0.7000E-00	0.7100E-00	0.6000E-00	0.4000E-00	0.6700E-00

STREAM FUNCTION IN UNITS OF CM²/SEC. AT LEVEL NP. 3

	82.5	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5
82.5N																	
77.5N																	
72.5N																	
67.5N																	
62.5N																	
57.5N																	
52.5N																	
47.5N																	
42.5N																	
37.5N																	
32.5N																	
27.5N																	
22.5N																	
17.5N																	
12.5N																	
07.5N																	
02.5N																	

0.1667E 09 -0.2565E 09 -0.4432E 09 -0.414E 09 -0.404E 09 -0.3978E 09 -0.2193E 09 -0.1878E 09 -0.1601E 09 -0.2977E 09 -0.3584E 09

	82.5	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	2.5	0.5	0.5
54.5M								-0.2054E 02	0.1650E 02	-0.7322E 00	0.7553E 01	0.0558E 01	0.0443E 01	0.5534E 01	0.5100E 01	0.1300E 01			
55.5M																			
56.5M																			
57.5M																			
58.5M																			
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90.5M																			
91.5M																			
92.5M																			
93.5M																			
94.5M																			
95.5M																			

WIND DIRECTIONAL VELOCITY IN CM/SEC. AT LEVEL N4.

5

02.5M 77.5 72.5 67.5 62.5 57.5 52.5 47.5 42.5 37.5 32.5 27.5 22.5 17.5 12.5 07.5 02.5M 07.5E

37.5M

-0.8706E 01 0.1022E 02 -0.1038E 01 0.6004E 01 0.5174E 01 0.5051E 01 0.4877E 01 0.4652E 01 -0.5172E 00

32.5M

-0.1478E 01 0.3717E 01 0.1515E 01 0.4721E 00 -0.1727E 01 -0.0121E 01 0.4971E 01 0.5189E 00 0.1057E 01

27.5M

-0.5269E 01 -0.2951E 01 0.2326E 00 -0.1206E 01 -0.7159E 00 -0.0113E 01 0.1754E 00 0.1526E 00 0.2166E 00 0.1324E 01 0.6528E 00

22.5M

0.2230E 02 -0.5087E 00 0.1803E 01 -0.2054E 01 -0.4463E 00 -0.1182E 01 0.4380E 01 0.1003E 00 -0.0170E 00 -0.1825E 01 -0.6530E 00

17.5M

-0.1652E 01 -0.2334E 01 0.8768E 00 -0.1387E 01 0.2770E 00 -0.1898E 01 0.3408E 00 -0.1333E 01 -0.1403E 01 0.3213E 01

12.5M

-0.4521E 01 -0.5251E 01 0.6406E 00 -0.3306E 01 0.4021E 00 -0.1736E 01 0.3438E 00 -0.201E 00 0.8443E 00 -0.2246E 00 0.4166E 01 -0.0673E 00 0.8776E 00 0.3737E 01

07.5M

-0.4120E 01 -0.4097E 01 -0.4156E 01 -0.4275E 01 0.1118E 01 -0.2663E 01 0.1188E 01 -0.1970E 01 0.4903E 00 -0.1923E 01 0.2728E 00 -0.0884E 00 0.1600E 01 0.2385E 00 0.1601E 01

02.5M

-0.4075E 01 -0.4432E 01 0.1823E 01 -0.1332E 01 -0.1427E 00 -0.2436E 01 0.1708E 01 -0.2281E 01 0.3550E 01 -0.1678E 01 -0.2744E 00 -0.3828E 00 0.5554E 00 0.1494E 01

17.5M

-0.7146E 01 -0.4174E 01 -0.4077E 00 0.4142E 01 0.1515E 01 -0.6630E 00 -0.2081E 00 -0.8862E 01 0.5944E 00 0.5552E 00 0.1647E 01 0.1533E 01 0.1657E 01 0.2559E 00

12.5M

-0.5822E 01 0.5744E 01 0.1455E 01 0.4452E 01 0.5533E 00 0.3051E 01 0.4070E 00 0.2947E 01 0.1908E 01 0.2227E 01 -0.1738E 00 -0.1273E 00

07.5M

0.4860E 01 0.6434E 01 0.1580E 01 0.2112E 01 -0.1255E 01 -0.7697E 00 -0.2881E 01 -0.1017E 01 -0.1858E 01 -0.5403E 00

02.5M

0.3071E 01 -0.1517E 00 -0.3243E 00 -0.4297E 00 -0.9475E 00 -0.5510E 00 -0.9844E 00 -0.4144E 00 0.1148E 00 0.6811E 00 0.1262E 00 -0.2080E 01

[illegible]

0.1048E 10	0.2636E 09	0.4972E 09	0.2466E 09	0.1914E 09	0.2624E 08	0.4437E 07	-0.3327E 08	-0.1174E 09
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0.1632E 09	C.1779E 07	-C.1554E 08	-D.5437E 06	-D.5277E 07	D.2934E 08	D.4660E 08	E.3572E 08	F.1402E 08
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Variable	Mean	Std. Dev.	Minimum	Maximum
0.2174E 09	0.1219E 08	-C.9604E 06	0.1346E 08	-0.3195E 08
			0.5079E 08	0.1040E 08
			0.3736E 08	-0.1053E 08
				-0.1633E 08
				-0.5248E 08

Variable	Mean	SD	Min	Max	Skewness	Kurtosis	Normality
Age	38.5	12.5	22	65	-0.15	3.2	0.98
Gender	1.2	0.4	1	2	0.05	3.0	0.99
Education	15.5	2.5	10	20	-0.10	3.1	0.98
Income	4500	1500	2000	8000	0.20	3.5	0.95
Health	2.5	0.8	1	4	-0.05	3.0	0.99
Stress	3.5	1.2	1	5	0.10	3.3	0.97
Life Satisfaction	4.0	1.0	2	5	-0.05	3.1	0.98
Work Satisfaction	3.8	1.1	2	5	0.05	3.2	0.97
Family Satisfaction	4.2	0.9	3	5	-0.02	3.0	0.99
Community Satisfaction	3.9	1.0	2	5	0.08	3.4	0.96
Overall Satisfaction	4.1	1.0	2	5	-0.01	3.1	0.98

-0.2605E 09	0.1315E 09	-0.1787E 09	0.8283E 08	-0.1246E 09	0.6529E 08	-0.4765E 08	-0.1456E 08	0.7940E 08	0.2267E 08	0.1404E 08	0.5125E 08
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Variable	Mean	Std. Dev.	Minimum	Maximum
Age	34.2466	9.3970	-0.3500	88
Age ²	0.3970	0.1610	0.1012	0.3600
Age ³	0.0102	0.0001	0.0000	0.0000
Age ⁴	0.0000	0.0000	0.0000	0.0000
Age ⁵	0.0000	0.0000	0.0000	0.0000
Age ⁶	0.0000	0.0000	0.0000	0.0000
Age ⁷	0.0000	0.0000	0.0000	0.0000
Age ⁸	0.0000	0.0000	0.0000	0.0000
Age ⁹	0.0000	0.0000	0.0000	0.0000
Age ¹⁰	0.0000	0.0000	0.0000	0.0000
Age ¹¹	0.0000	0.0000	0.0000	0.0000
Age ¹²	0.0000	0.0000	0.0000	0.0000
Age ¹³	0.0000	0.0000	0.0000	0.0000
Age ¹⁴	0.0000	0.0000	0.0000	0.0000
Age ¹⁵	0.0000	0.0000	0.0000	0.0000
Age ¹⁶	0.0000	0.0000	0.0000	0.0000
Age ¹⁷	0.0000	0.0000	0.0000	0.0000
Age ¹⁸	0.0000	0.0000	0.0000	0.0000
Age ¹⁹	0.0000	0.0000	0.0000	0.0000
Age ²⁰	0.0000	0.0000	0.0000	0.0000
Age ²¹	0.0000	0.0000	0.0000	0.0000
Age ²²	0.0000	0.0000	0.0000	0.0000
Age ²³	0.0000	0.0000	0.0000	0.0000
Age ²⁴	0.0000	0.0000	0.0000	0.0000
Age ²⁵	0.0000	0.0000	0.0000	0.0000
Age ²⁶	0.0000	0.0000	0.0000	0.0000
Age ²⁷	0.0000	0.0000	0.0000	0.0000
Age ²⁸	0.0000	0.0000	0.0000	0.0000
Age ²⁹	0.0000	0.0000	0.0000	0.0000
Age ³⁰	0.0000	0.0000	0.0000	0.0000
Age ³¹	0.0000	0.0000	0.0000	0.0000
Age ³²	0.0000	0.0000	0.0000	0.0000
Age ³³	0.0000	0.0000	0.0000	0.0000
Age ³⁴	0.0000	0.0000	0.0000	0.0000
Age ³⁵	0.0000	0.0000	0.0000	0.0000
Age ³⁶	0.0000	0.0000	0.0000	0.0000
Age ³⁷	0.0000	0.0000	0.0000	0.0000
Age ³⁸	0.0000	0.0000	0.0000	0.0000
Age ³⁹	0.0000	0.0000	0.0000	0.0000
Age ⁴⁰	0.0000	0.0000	0.0000	0.0000
Age ⁴¹	0.0000	0.0000	0.0000	0.0000
Age ⁴²	0.0000	0.0000	0.0000	0.0000
Age ⁴³	0.0000	0.0000	0.0000	0.0000
Age ⁴⁴	0.0000	0.0000	0.0000	0.0000
Age ⁴⁵	0.0000	0.0000	0.0000	0.0000
Age ⁴⁶	0.0000	0.0000	0.0000	0.0000
Age ⁴⁷	0.0000	0.0000	0.0000	0.0000
Age ⁴⁸	0.0000	0.0000	0.0000	0.0000
Age ⁴⁹	0.0000	0.0000	0.0000	0.0000
Age ⁵⁰	0.0000	0.0000	0.0000	0.0000
Age ⁵¹	0.0000	0.0000	0.0000	0.0000
Age ⁵²	0.0000	0.0000	0.0000	0.0000
Age ⁵³	0.0000	0.0000	0.0000	0.0000
Age ⁵⁴	0.0000	0.0000	0.0000	0.0000
Age ⁵⁵	0.0000	0.0000	0.0000	0.0000
Age ⁵⁶	0.0000	0.0000	0.0000	0.0000
Age ⁵⁷	0.0000	0.0000	0.0000	0.0000
Age ⁵⁸	0.0000	0.0000	0.0000	0.0000
Age ⁵⁹	0.0000	0.0000	0.0000	

-0.137E 10	0.387E 09	-0.890E 09	0.458E 09	-0.121E 09	0.373E 09	-0.616E 09	0.291E 09	-C.528E 09	0.231E 09	-0.437E 09	0.195E 09	-0.411E 09	0.437E 09	-0.437E 09
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$-0.6479E$	09	$0.6465E$	09	$-0.4421E$	09	$0.5586E$	09	$-0.2021E$	09	$0.5784E$	09	$-0.1579E$	09	$0.5962E$	09	$-0.2453E$	08	$0.6101E$	09	$0.8134E$	08	$0.6241E$	08	$0.1055E$	09	$0.8735E$	08
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[illegible]

0.1685E 10 0.3372E 09 0.1219E 10 0.1045E 09 0.7973E 09 -0.1232E 09 0.4750E 09 0.2802E 09 -0.2276E 09 0.7606E 08 -0.4303E 09 -0.3636E 08 -0.3084E 08

0.1256E 09 -0.5145E 09 -0.2286E 09 -0.5854E 09 -0.2561E 09 -0.4309E 09 -0.1209E 09 -0.886E 09 -0.3844E 09

-0.310E 09 -C.2844E 09 -0.231E 09 -0.2175E 09 -0.160E 09 -0.111E 09 -0.114E 09 -0.1394E 09 -0.1394E 09 -0.9329E 08

[illegible]

ZONAL VELOCITY IN CM./SEC. AT LEVEL NO. 5

	62.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	2.5	0.0
57.5N								0.4569E 00	0.4659E-00	0.7304E 00	0.1730E-30	-0.5281E-01	0.2376E-06	-0.5177E-01	0.6464E-01	0.1995E-02		
52.5N							0.1956E 01	0.9426E 01	0.2243E 01	0.3951E 01	0.1689E 01	0.5995E 00	-0.3172E-02	-0.4763E-00	-0.2715E-00			
47.5N							0.1242E 01	-0.5795E 00	-0.6588E 00	-0.4201E-00	0.1604E-00	0.9095E 00	0.7423E 00	0.5225E 00	-0.2655E-00	0.3551E-01	0.0	
42.5N							-0.1501E 01	0.2273E 01	-0.6009E 00	-0.2116E-00	0.2697E-00	0.3623E-01	0.1727E-02	-0.1140E-00	0.3043E-01	-0.0426E-00	-0.1762E-00	
37.5N							-0.5628E 01	-0.3179E 01	-0.4032E 01	-0.2629E 01	-0.4680E 01	-0.5802E 01	-0.5626E 01	-0.2166E 01	-0.2452E 01	-0.1324E 01	-0.0761E 00	
32.5N							-0.6392E 01	0.6262E 01	0.2439E 01	0.5802E 01	0.5802E 01	0.5802E 01	0.5802E 01	0.5802E 01	0.5802E 01	0.5802E 01	0.5802E 01	
27.5N							0.1227E 01	-0.0687E 01	0.9189E 01	0.5794E 01	0.7157E 01	-0.5114E 01	0.5157E 01	-0.0461E 01	0.3155E 01	-0.5006E 01	0.1280E 01	-0.5178E 01
22.5N							-0.1283E 02	0.1612E 01	-0.0736E 01	-0.0103E 01	-0.7392E 01	-0.6119E 01	-0.6211E 01	-0.1096E 01	-0.3662E 01	-0.1866E 01		
17.5N							-0.1702E 02	0.4805E 01	-0.1389E 02	0.6506E 01	-0.6625E 01	0.8042E 01	-0.5866E 01	0.8910E 01	-0.6262E 01	0.0363E 01	0.4796E-01	0.4023E 01
12.5N							0.3506E 01	0.2929E 01	0.2713E 01	0.3107E 01	0.1163E 01	0.3939E 01	0.7376E 01	0.5534E 01	0.6447E 01	0.2371E 01	0.4094E 01	0.1752E 01
07.5N							-0.1772E 01	-0.1973E 01	-0.1220E-00	0.4557E 01	-0.1706E 01	0.2250E 01	-0.2877E 01	0.1179E 01	-0.2517E 01	0.1120E 01		
-0.5N							-0.2362E 01	-0.5885E 01	-0.614E 01	-0.2860E 01	-0.2444E-00	-0.2219E 01	0.3217E-00	-0.1478E 01	-0.0	-0.0	-0.0	-0.0

MERIDIONAL VELOCITY IN CM./SEC. AT LEVEL NO.

[illegible]

[illegible]

ZONAL VELOCITY IN CM/SEC. AT LEVEL NO. 8

	62.5N	77.5N	73.5N	67.5N	62.5N	57.5N	52.5N	47.5N	42.5N	37.5N	32.5N	27.5N	22.5N	17.5N	12.5N	07.5N	02.5N
57.5N								0.1031E 01	0.6001E 00	0.7660E 00	0.2410E 00	0.7140E 01	-0.4030E 01	0.4030E 01	-0.2075E 01	-0.1050E 01	
52.5N							0.1501E 01	0.7167E 01	0.6136E 00	0.2800E 01	0.7730E 00	0.1475E 00	-0.3960E 00	-0.3554E 00	-0.1161E 00		
47.5N							0.1150E 00	-0.6088E 00	-0.6779E 00	-0.2955E 00	0.7770E 01	0.7050E 00	0.4320E 00	0.3066E 00	-0.2012E 00	0.2312E 01	-0.1050E 01
42.5N							-0.1123E 01	0.2092E 01	-0.7587E 00	-0.2051E 01	0.4459E 00	0.5846E 01	0.2224E 00	-0.4503E 01	0.7754E 01	-0.3556E 00	0.2613E 01
37.5N							-0.4700E 01	-0.4150E 01	-0.4559E 01	-0.1811E 01	-0.3132E 01	-0.1437E 01	-0.1161E 01	-0.1214E 01	-0.4170E 01	-0.4516E 00	-0.3707E 00
32.5N							-0.3822E 01	0.5056E 01	-0.1985E 01	0.5553E 01	-0.1433E 01	0.5144E 01	-0.6026E 00	0.5300E 01	-0.4196E 00	0.2355E 01	0.4053E 00
27.5N							0.1114E 01	-0.4336E 01	0.5190E 01	0.5630E 01	-0.5005E 01	0.4211E 01	-0.4860E 01	0.2475E 01	-0.1037E 01	0.4310E 00	-0.5004E 01
22.5N							-0.0574E 01	0.2340E 01	-0.7468E 01	-0.1718E 01	-0.7655E 01	-0.6046E 00	-0.6036E 01	-0.9407E 00	-0.5941E 01	-0.4120E 01	-0.5179E 01
17.5N							-0.1176E 01	0.5020E 01	-0.1029E 02	0.7284E 01	-0.6106E 01	-0.4106E 01	0.4994E 01	-0.4401E 01	0.8760E 01	0.4364E 01	0.1003E 01
12.5N							0.2760E 01	0.1340E 01	0.1815E 01	0.6777E 00	0.4423E 01	0.5755E 01	0.3803E 01	0.4559E 01	0.2443E 01	0.2696E 01	0.1031E 01
07.5N																	
02.5N																	

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-0.1

-0.1

[illegible]

0.7835E 07 -0.9299E 08 -0.6310E 08 -0.5109E 08 -0.2012E 08 -0.3668E 07 -0.1740E 07 -0.3585E 07 -0.1936E 07

-0.9957	0	0.3568	0	0.5493	0	0.5018	0	-0.1912	0	0.2852	0	-0.1642	0	0.5522	0	-0.2442	0	0.3444	0	-0.4038	0
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97.50N 0.6551E 09 -0.4680E 08 0.1532E 09 0.1772E 08 0.1832E 08 -0.4692E 08 -0.7327E 07 -0.2596E 08 -0.2987E 07
97.50N -0.1032E 08 -0.9137E 08 -0.0141E 08 -0.4407E 08 -0.1308E 09 -0.4372E 07 -0.4129E 07 -0.3570E 07 -0.2286E 07
97.50N -0.7208E 07 0.1287E 07 -0.4467E 08 3.4998E 08 -0.0731E 08 0.2714E 08 -0.7187E 08 0.3595E 08 -0.2810E 08 -0.1168E 08 -0.7932E 08
97.50N -0.1032E 09 0.7417E 07 -0.1032E 09 0.1962E 07 -0.6795E 08 -0.4801E 07 -0.1172E 08 -0.1949E 08 -0.3777E 08 -0.4072E 07 -0.1772E 07 0.1398E 08
97.50N -0.5699E 08 0.8558E 08 -0.1172E 09 0.4434E 08 -0.0805E 09 0.7952E 08 -0.7503E 08 0.2592E 08 -0.4779E 08 0.2299E 08 -0.1308E 08 0.2708E 08 -0.4437E 08
97.50N -0.7503E 08 0.1537E 09 -0.3998E 08 0.1618E 09 -0.4210E 08 0.1155E 09 -0.1107E 08 0.5601E 08 -0.1048E 08 0.7168E 08 -0.0505E 07 0.6662E 07 -0.7732E 07 -0.2087E 08
97.50N -0.4301E 09 0.1970E 09 -0.3910E 09 0.2606E 09 -0.5342E 09 0.1681E 09 -0.0141E 09 0.1232E 09 -0.6122E 09 0.4073E 08 -0.4510E 09 0.3538E 08 -0.4326E 08 -0.4218E 07 -0.4827E 09
97.50N 0.7448E 08 0.4497E 08 -0.1032E 09 0.3174E 09 -0.9672E 08 0.3702E 08 -0.7497E 08 0.3594E 09 -0.3717E 08 0.4979E 08 0.1636E 07 0.3964E 09 0.2812E 08 0.3488E 09
97.50N 0.1129E 09 0.1744E 08 -0.2893E 08 0.04632E 08 0.3455E 08 0.4145E 09 0.3508E 08 0.1248E 09 0.1472E 08 0.4108E 09 0.2503E 07 0.3928E 08 0.2172E 07 0.9396E 08
97.50N 0.4641E 09 -0.2110E 09 0.3584E 09 -0.2932E 09 0.2347E 09 -0.1334E 09 0.4206E 09 0.4032E 09 0.1218E 09 -0.3037E 09 0.3936E 08 -0.4289E 09 0.3374E 07 -0.2622E 09
97.50N -0.2537E 09 -0.1949E 09 -0.1188E 09 -0.1628E 09 -0.4318E 08 -0.1102E 09 -0.7349E 07 -0.4079E 08 -0.159E 07 -0.7598E 08
97.50N -0.1188E 09 -0.5127E 07 -0.7748E 08 -0.5113E 08 -0.1514E 08 -0.4377E 08 -0.4492E 08 -0.4412E 07 -0.4718E 08 -0.3209E 08 -0.2594E 08 -0.1232E 07

[illegible]

PERIODICAL VELOCITY IN CM./SEC. AT LEVEL NB.

9

PERIODICAL VELOCITY IN CM./SEC. AT LEVEL NO.	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
PERIODICAL VELOCITY IN CM./SEC. AT LEVEL NO.	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

Variable	Mean	Std. Dev.	Minimum	Maximum
Age	35.17	10.25	18	65
Gender	0.52	0.50	0	1
Marital Status	0.24	0.43	0	1
Education	12.63	1.26	9	16
Income	21.12	11.26	0	50
Health	0.45	0.50	0	1
Smoking	0.23	0.42	0	1
Alcohol	0.12	0.33	0	1
Exercise	0.25	0.43	0	1
Stress	0.47	0.50	0	1
Depression	0.25	0.43	0	1
Loneliness	0.25	0.43	0	1
Life Satisfaction	0.47	0.50	0	1
Quality of Life	0.47	0.50	0	1

Variable	Mean	Std. Dev.	Minimum	Maximum
Age	34.50	10.50	18	65
Gender	1.50	.50	1	2
Marital Status	1.50	.50	1	2
Education	13.50	1.50	12	16
Income	35000.00	15000.00	10000	70000
Health	1.50	.50	1	2
Stress	3.50	1.50	1	5
Depression	1.50	.50	1	2
Life Satisfaction	4.50	1.50	3	6

[illegible]
$$\begin{array}{r} 0.25 \\ -0.743E-01 \\ -0.7662E-00 \\ 0.4316E-03 \\ 0.1011E-00 \\ 0.2359E-01 \\ -0.8884E-02 \\ -0.1046E-00 \\ -0.1856E-00 \\ -0.3630E-00 \end{array}$$

SPINAL VELOCITY IN CM/SEC. AT LEVEL NO.

11

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5E	07.5E
57.5N																		
52.5N									0.1025E 01	0.4442E 00	0.3802E 00	0.1167E 00	0.5302E 01	0.1821E 01	0.2008E 01	-0.1189E 01	-0.1462E 01	
47.5N									0.6551E 00	0.2765E 01	-0.2360E 00	0.1054E 01	-0.4230E 00	-0.1274E 00	-0.2304E 00	-0.1723E 01	0.41227E 00	
42.5N									-0.7604E 00	-0.6544E 00	-0.4776E 00	0.1135E 01	-0.1122E 01	0.3084E 00	-0.4224E 01	0.4434E 01	-0.2217E 00	-0.1354E 00
37.5N									-0.4544E 00	0.1410E 01	-0.4350E 00	0.6034E 00	0.6034E 00	0.6034E 00	0.6034E 00	0.6034E 00	0.6034E 00	0.6034E 00
32.5N									-0.2002E 01	-0.4361E 00	-0.2098E 01	-0.3764E 00	-0.1435E 01	-0.2802E 00	-0.1174E 01	-0.2502E 00	-0.5434E 00	-0.1024E 00
27.5N									-0.1304E 01	0.4544E 00	0.4544E 00	0.4544E 00	0.4544E 00	0.4544E 00	0.4544E 00	0.4544E 00	0.4544E 00	0.4544E 00
22.5N									-0.1124E 01	-0.4782E 00	0.1942E 01	-0.4782E 00	0.1942E 01	-0.4782E 00	0.1942E 01	-0.4782E 00	0.1942E 01	-0.4782E 00
17.5N									-0.4404E 01	0.1074E 01	0.6144E 00	-0.4404E 01	0.1074E 01	0.6144E 00	-0.4404E 01	0.1074E 01	0.6144E 00	-0.4404E 01
12.5N									-0.1924E 01	0.4934E 01	0.7502E 01	-0.1924E 01	0.4934E 01	0.7502E 01	-0.1924E 01	0.4934E 01	0.7502E 01	-0.1924E 01
07.5N									0.7734E 00	-0.1874E 00	0.4834E 00	0.4834E 00	0.4834E 00	0.4834E 00	0.4834E 00	0.4834E 00	0.4834E 00	0.4834E 00
02.5N									-0.7302E 00	-0.2442E 01	0.4160E 01	-0.2442E 01	0.4160E 01	-0.2442E 01	0.4160E 01	-0.2442E 01	0.4160E 01	-0.2442E 01

	62.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M	27.5M
37.5M								0.2663E-01	0.3150E-01	-0.1879E-01	0.2614E-01	-0.0450E-00	0.3637E-00	-0.0499E-01	0.7911E-01	-0.3174E-00		
52.5M							0.1459E-01	0.1485E-00	-0.0554E-00	-0.3816E-00	-0.4274E-00	-0.0084E-01	0.1064E-01	-0.3722E-01	0.2372E-01			
47.5M							-0.0740E-00	-0.0203E-00	0.1497E-00	-0.1107E-00	0.2512E-00	0.3671E-00	-0.3516E-02	0.1564E-00	0.2671E-01	-0.1179E-00		
42.5M								-0.0372E-01	-0.1432E-00	-0.3941E-00	0.3988E-00	-0.3150E-01	0.2810E-00	-0.0478E-00	-0.7468E-01	-0.3336E-03	-0.1535E-00	-0.0569E-01
37.5M								-0.0717E-00	0.0003E-00	-0.7135E-01	-0.2824E-00	0.2186E-00	-0.03457E-00	0.1205E-00	-0.4001E-00	0.1648E-00	0.1440E-00	0.1050E-00
32.5M								-0.1613E-01	0.14001E-00	-0.3895E-00	0.7736E-02	0.5091E-00	-0.02410E-00	0.5034E-00	-0.01828E-00	0.4708E-00	-0.1946E-00	0.3017E-00
27.5M								-0.1915E-01	-0.0451E-00	0.3402E-00	0.2644E-00	-0.02276E-00	0.0004E-00	-0.04280E-00	0.05316E-00	-0.04455E-00	0.6434E-00	-0.03551E-00
22.5M								-0.1792E-01	0.2249E-01	0.4977E-00	-0.7224E-00	0.7662E-01	-0.2860E-00	-0.7922E-00	-0.5000E-01	-0.3427E-00	0.8450E-01	-0.02414E-00
17.5M								-0.0104E-01	0.2607E-00	-0.0428E-00	0.4874E-00	-0.0713E-00	0.1805E-00	0.1179E-00	0.2304E-00	0.7494E-01	0.7897E-01	0.6135E-01
12.5M								0.2994E-01	0.1866E-00	0.7993E-00	0.7792E-00	0.1166E-00	0.1119E-00	-0.02312E-00	0.0641E-00	-0.2307E-00	0.8426E-00	-0.0361E-00
07.5M									0.1361E-01	-0.01764E-01					0.1591E-00	-0.7002E-00	-0.2094E-00	-0.0269E-00
																	0.4067E-00	-0.2604E-00
																		-0.2452E-00
																		-0.4354E-00
																		-0.2094E-00
																		-0.0271E-01
																		0.8261E-03
																		-0.3390E-00
																		0.4547E-00
																		-0.7643E-01
																		0.1553E-01
																		-0.2444E-01
																		0.6135E-01
																		-0.02414E-00
																		0.5154E-00
																		-0.03551E-00
																		0.4323M-00

STREAM FUNCTION IN UNITS OF CM**2/SEC. AT LEVEL NO. 12

82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N
57.5N																
52.5N																
47.5N																
42.5N																
37.5N																
32.5N																
27.5N																
22.5N																
17.5N																
12.5N																
07.5N																
02.5N																

6.1008E 09 -0.1050E 09 0.1010E 09 -0.2748E 08 0.1139E 08 -0.1457E 07 -0.1158E 06 -0.1158E 05 0.1637E 07

-0.3660E 08 -0.6746E 08 -0.2026E 08 -0.1975E 08 -0.8946E 07 -0.118E 07 -0.4342E 07 -0.1814E 06 -0.2170E 07

-0.3512E 05 0.3142E 08 -0.2672E 08 0.2742E 08 -0.1674E 08 0.1408E 08 -0.2338E 08 -0.1761E 07 -0.2479E 08 -0.6604E 07 -0.2438E 08

-0.6731E 04 0.1114E 08 -0.6315E 08 0.4279E 08 -0.5033E 08 0.5883E 07 -0.1723E 08 -0.1939E 07 -0.2139E 08 0.2932E 07 -0.1921E 07 0.1104E 08

-0.5517E 04 0.2109E 08 -0.2604E 08 0.3052E 08 -0.4625E 08 0.2364E 08 -0.4108E 08 0.2141E 08 -0.4272E 08 0.1314E 08 -0.3485E 08 0.4502E 07 -0.4415E 08

0.5514E 08 0.1622E 08 -0.2280E 08 0.2604E 08 -0.4127E 08 0.4458E 08 -0.3187E 08 0.3229E 08 -0.1112E 08 0.4594E 07 -0.2190E 08 -0.2327E 07 -0.1715E 04 -0.1450E 08

-0.2880E 04 0.5850E 08 -0.4726E 04 0.1654E 09 -0.4375E 04 0.3878E 08 -0.4352E 09 0.7394E 08 -0.4188E 09 0.4440E 08 -0.4610E 04 0.1258E 08 -0.3831E 04 -0.1253E 08 -0.3564E 04

0.1195E 04 0.4480E 08 0.1903E 08 0.2234E 08 -0.1417E 08 0.2800E 09 -0.2274E 08 0.3104E 08 -0.5309E 07 0.3444E 04 0.4967E 07 0.3780E 04 0.2758E 08 0.3232E 04

0.5310E 08 -0.1381E 07 0.6581E 08 0.5127E 08 0.4459E 08 0.2482E 08 0.7478E 08 0.7455E 07 0.7245E 08 0.4895E 07 0.7706E 08 0.5216E 07 0.7160E 08

0.1627E 09 -0.1948E 09 0.1811E 09 -0.2631E 09 0.1474E 04 -0.2852E 08 0.7225E 08 0.4615E 04 0.3120E 08 -0.2694E 04 0.6435E 08 -0.2410E 04

-0.2019E 09 -0.6557E 08 -0.8497E 08 -0.6004E 08 -0.3117E 08 -0.1644E 08 -0.0714E 07 -0.5533E 08 -0.6270E 07 -0.8234E 08

-0.7354E 08 0.4530E 08 -0.5957E 08 -0.4578E 07 -0.4520E 06 -0.1717E 08 -0.3304E 08 -0.1748E 08 -0.4234E 08 -0.4808E 07 -0.5941E 07 0.4488E 07

	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	87.5	92.5	97.5	02.5
37.5M															
32.5M															
47.5M															
42.5M															
37.5M															
32.5M															
27.5M															
22.5M															
17.5M															
12.5M															
07.5M															
02.5M															

-0.377E-00 -0.273E-02 0.222E-00 -0.180E-00 0.156E-00 -0.126E-00 0.104E-00 -0.084E-00 0.064E-00 -0.044E-00 0.024E-00 -0.004E-00 0.016E-00 0.036E-00 0.056E-00 0.076E-00

	82.5°	77.5°	72.5°	67.5°	62.5°	57.5°	52.5°	47.5°	42.5°	37.5°	32.5°	27.5°	22.5°	17.5°	12.5°	07.5°	02.5°
37.5N								0.5184E-00	0.1040E-00	0.1208E-00	0.1249E-01	0.1073E-02	0.2246E-12	0.1392E-01	0.1348E-02	0.1223E-03	
52.5N								0.1947E-00	0.9663E-00	0.8325E-00	0.5447E-00	0.1208E-00	0.1070E-01	0.1180E-00	0.1795E-00		
47.5N								0.7632E-00	0.1672E-00	0.2047E-00	0.1804E-00	0.2727E-01	0.1542E-00	0.1526E-00	0.1064E-01	0.1695E-00	0.1659E-02
42.5N								0.1123E-00	0.4811E-00	0.4286E-00	0.5320E-01	0.2614E-00	0.5476E-01	0.1649E-00	0.2596E-01	0.1592E-00	
37.5N								0.1947E-00	0.9663E-00	0.8325E-00	0.5447E-00	0.1208E-00	0.1070E-01	0.1180E-00	0.1795E-00		
32.5N								0.1123E-00	0.4811E-00	0.4286E-00	0.5320E-01	0.2614E-00	0.5476E-01	0.1649E-00	0.2596E-01	0.1592E-00	
27.5N								0.1947E-00	0.9663E-00	0.8325E-00	0.5447E-00	0.1208E-00	0.1070E-01	0.1180E-00	0.1795E-00		
22.5N								0.1123E-00	0.4811E-00	0.4286E-00	0.5320E-01	0.2614E-00	0.5476E-01	0.1649E-00	0.2596E-01	0.1592E-00	
17.5N								0.1947E-00	0.9663E-00	0.8325E-00	0.5447E-00	0.1208E-00	0.1070E-01	0.1180E-00	0.1795E-00		
12.5N								0.1123E-00	0.4811E-00	0.4286E-00	0.5320E-01	0.2614E-00	0.5476E-01	0.1649E-00	0.2596E-01	0.1592E-00	
07.5N								0.1947E-00	0.9663E-00	0.8325E-00	0.5447E-00	0.1208E-00	0.1070E-01	0.1180E-00	0.1795E-00		
02.5N								0.1123E-00	0.4811E-00	0.4286E-00	0.5320E-01	0.2614E-00	0.5476E-01	0.1649E-00	0.2596E-01	0.1592E-00	

[illegible]

	62.5	77.5	72.5	87.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5	07.5E	02.5E
57.5N									0.3721E-00	0.5488E-01	0.6174E-01	0.4130E-02	-0.1560E-01	0.3420E-02	-0.1167E-01	0.3873E-02	-0.1024E-02		
52.5N								0.1181E-00	0.6015E-00	-0.7402E-00	0.5161E-00	-0.1460E-00	0.1507E-00	0.1447E-01	0.1577E-00	0.1411E-00			
47.5N								-0.2077E-00	-0.5092E-01	-0.1668E-00	0.1317E-00	-0.1076E-00	0.1141E-00	-0.1721E-00	0.7417E-03	-0.1641E-00	-0.1044E-01	-0.0	
42.5N								-0.1040E-00	0.4668E-00	-0.2621E-00	0.5542E-00	-0.1275E-04	0.3740E-00	-0.4544E-01	0.2320E-00	-0.6119E-01	0.41610E-00	-0.3268E-01	0.1877E-00
37.5N								-0.4709E-10	-0.4175E-10	-0.6574E-09	0.1253E-00	-0.5541E-00	0.5946E-01	-0.4633E-00	0.4122E-00	-0.3613E-00	0.1476E-00	-0.2175E-00	0.1323E-00
32.5N								0.2301E-00	0.2796E-01	0.1343E-00	0.3121E-01	0.1866E-00	0.3238E-01	0.2611E-00	0.2234E-01	0.4423E-00	0.4401E-00	0.3421E-01	0.5121E-00
27.5N								-0.1449E-01	-0.3392E-00	-0.1024E-01	-0.1610E-01	-0.2605E-10	-0.2498E-01	0.1378E-02	-0.5942E-01	-0.7553E-01	-0.3501E-01	-0.2155E-00	-0.3035E-01
22.5N								-0.2395E-01	-0.6036E-00	-0.3826E-01	-0.2986E-00	-0.4151E-01	-0.2549E-00	-0.4504E-01	-0.3733E-00	-0.3505E-01	-0.5770E-00	-0.1779E-01	-0.7442E-00
17.5N								0.2078E-01	0.1946E-01	0.1326E-01	0.2573E-01	0.6232E-00	0.4419E-01	0.3297E-00	0.3073E-01	0.3766E-00	0.9416E-01	0.5749E-00	0.5434E-01
12.5N								0.1670E-00	0.6591E-01	0.4548E-00	0.5000E-01	0.3527E-00	0.1406E-01	0.1978E-00	0.1605E-00	0.2334E-00	0.4260E-00	0.2558E-00	0.2442E-00
07.5N																			
02.5N																			

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	62.5M	77.5	72.5	87.5	61.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5E	07.5E
54.5M								0.1644E-01	0.1408E-00	-0.7759E-00	0.1111E-01	-0.4311E-00	0.7896E-00	-0.3307E-00	0.1172E-00	-0.1970E-00		
56.5M								-0.5475E-00	-0.3515E-00	0.2734E-01	-0.1288E-00	0.1920E-01	0.1342E-01	-0.8257E-02	0.2320E-01			
47.5M								-0.4531E-00	0.1554E-00	0.5842E-01	0.1730E-01	0.2164E-02	0.4203E-00	-0.4450E-01	0.4120E-01	-0.3150E-01		
42.5M								-0.2551E-00	0.6276E-01	-0.4192E-00	0.4512E-02	0.1250E-00	0.4109E-00	0.4119E-00	-0.2100E-00	0.1602E-01	-0.1377E-00	0.7268E-01
37.5M								-0.2617E-00	0.2671E-00	-0.1015E-00	0.1223E-01	0.4008E-02	-0.1527E-00	0.7550E-01	0.1527E-00	-0.1771E-00	0.1601E-00	-0.1455E-00
32.5M								-0.1914E-00	0.5712E-00	-0.4513E-00	0.2321E-00	0.2741E-02	0.1307E-01	0.1972E-00	-0.1320E-00	-0.1771E-00	0.1601E-00	-0.1455E-00
27.5M								-0.1832E-00	0.7561E-00	-0.4221E-00	0.5717E-00	0.1530E-00	0.1930E-00	-0.2631E-00	0.4310E-01	0.1690E-00	-0.1474E-00	0.2709E-00
22.5M								-0.4805E-00	0.5425E-00	-0.1041E-01	0.7653E-00	-0.1770E-00	0.4321E-00	-0.1921E-00	0.2054E-00	-0.2603E-00	0.6460E-01	-0.1765E-01
17.5M								-0.4875E-01	-0.2259E-00	-0.5568E-01	0.1507E-00	-0.1100E-00	0.2501E-00	-0.0811E-01	0.1015E-00	-0.1722E-01	0.5994E-01	-0.4200E-01
12.5M								0.1333E-01	-0.7428E-00	0.6962E-00	-0.1745E-00	0.1371E-01	0.1346E-00	-0.4731E-02	0.2405E-00	-0.1716E-00	0.2716E-00	-0.1664E-00
07.5M																		
02.5M																		

-0.2394E-00 0.1418E-00 0.3200E-01 -0.1077E-00 0.1809E-01 -0.1309E-00 0.4176E-01 -0.1053E-00 -0.4275E-02 -0.8914E-01 -0.2684E-02 -0.1728E-01

[illegible]

	82.5M	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5M	07.5E
57.5M																		
52.5M								0.1273E-01	-0.3022E-00	-0.3341E-00	0.4400E-00	-0.6369E-00	0.4598E-00	-0.2540E-00	0.1549E-00	-0.1399E-00		
47.5M							0.2125E-00	-0.4768E-00	-0.1370E-00	0.6405E-01	-0.4670E-01	0.3563E-01	0.1130E-01	0.1745E-02	0.3079E-01			
42.5M							-0.2417E-00	0.1768E-00	0.2254E-01	0.5051E-01	0.9883E-01	-0.8654E-02	0.4538E-01	-0.4442E-01	0.4774E-01	-0.2435E-01		
37.5M							-0.1424E-00	0.4670E-01	0.5824E-01	0.5607E-01	0.3604E-01	-0.1090E-00	0.6711E-01	-0.1571E-00	0.3580E-01	-0.4221E-01	0.4774E-01	-0.2435E-01
32.5M							-0.1119E-00	0.1245E-00	-0.1627E-00	0.5110E-01	-0.3354E-01	-0.7394E-01	0.5012E-01	-0.6873E-01	0.1134E-00	-0.5280E-01	0.1010E-00	-0.2221E-01
27.5M							0.7711E-01	0.2387E-00	-0.2692E-00	0.2666E-00	-0.5125E-01	0.4450E-01	0.7674E-01	-0.8823E-01	0.1124E-00	-0.1411E-00	0.1684E-00	-0.1370E-00
22.5M							0.1257E-00	0.2891E-00	-0.3544E-00	0.4155E-00	-0.2791E-00	0.2620E-00	-0.7437E-01	0.4770E-01	0.4711E-01	0.1158E-00	-0.1142E-00	0.1514E-00
17.5M							-0.1244E-00	-0.8432E-01	0.5744E-01	0.4533E-01	-0.1165E-01	0.1717E-00	-0.1142E-00	0.8222E-01	-0.4694E-01	0.5944E-01	-0.4274E-01	0.3452E-01
12.5M							0.8221E-00	-0.6227E-00	0.7347E-00	-0.4812E-00	0.7433E-00	-0.1802E-00	0.3543E-00	-0.7717E-01	0.1038E-00	0.6320E-01	-0.5347E-01	0.1513E-00
07.5M							-0.2219E-00	-0.2168E-00	0.1495E-00	-0.2725E-00	0.1303E-00	-0.1466E-00	0.7761E-01	-0.1078E-00	0.7852E-01	-0.6820E-01		
02.5M							-0.1478E-00	0.1454E-00	-0.6074E-01	-0.2843E-01	0.1790E-01	-0.8300E-01	0.1790E-01	-0.7200E-01	0.2471E-01	-0.2364E-01	0.2277E-01	-0.2112E-01

MUTATIONAL VELOCITY IN C₄-58C₄ AT LEVEL 58.

18

40.5M	77.5M	72.5M	67.5M	57.5M	52.5M	47.5M	42.5M	37.5M	32.5M	27.5M	22.5M	17.5M	12.5M	07.5M	02.5M	07.5M
0.1017E-01	-0.3871E-00	-0.4174E-00	-0.4759E-00	-0.5577E-00	-0.6637E-00	-0.7922E-01	-0.9433E-01	-0.1100E-02	-0.1490E-01	-0.2037E-02	-0.2837E-02	-0.3940E-01	-0.5334E-01	-0.7031E-01	-0.9040E-01	-0.1127E-02
0.1312E-00	-0.4078E-00	-0.4507E-01	-0.5073E-01	-0.5723E-01	-0.6461E-02	-0.7266E-01	-0.8142E-01	-0.9091E-01	-0.1010E-01	-0.1104E-02	-0.1178E-01	-0.1276E-01	-0.1384E-01	-0.1499E-01	-0.1620E-01	-0.1744E-01
-0.1657E-00	0.1555E-00	0.1661E-02	0.1742E-01	0.1800E-01	0.1834E-01	0.1850E-01	0.1850E-01	0.1840E-01	0.1810E-01	0.1760E-01	0.1690E-01	0.1600E-01	0.1490E-01	0.1360E-01	0.1210E-01	0.1040E-01
-0.1577E-00	0.1744E-01	-0.4231E-01	0.4602E-01	0.5723E-02	-0.8227E-01	0.4778E-01	-0.1104E-02	0.4778E-01	-0.1104E-02	0.4778E-01	-0.1104E-02	0.4778E-01	-0.1104E-02	0.4778E-01	-0.1104E-02	0.4778E-01
-0.1800E-01	0.1302E-00	-0.1137E-00	0.4155E-01	-0.4279E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01	0.4603E-01
0.1101E-00	0.1137E-00	-0.1337E-00	0.2476E-00	-0.1574E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00	0.2476E-00
0.1604E-00	0.1413E-00	-0.1337E-00	0.1206E-00	-0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00	0.2403E-00
-0.1518E-00	0.1459E-00	-0.1447E-00	0.1447E-00	-0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00	0.1447E-00
-0.1038E-00	-0.22437E-01	0.16194E-01	0.16194E-01	-0.1135E-01	0.1107E-00	-0.1010E-00	0.7302E-01	-0.6285E-01	0.5338E-01	-0.4380E-01	0.3543E-01	-0.2840E-01	-0.2246E-01	-0.1740E-01	-0.1290E-01	-0.0890E-01
0.4546E-00	-0.5250E-00	0.5117E-00	-0.4880E-01	0.4666E-00	-0.4603E-00	0.4392E-00	-0.4137E-00	0.3880E-00	-0.3627E-00	0.3374E-00	-0.3121E-00	0.2868E-00	-0.2615E-00	-0.2362E-00	-0.2109E-00	-0.1856E-00
-0.2080E-00	-0.1137E-00	0.48627E-01	-0.2057E-00	0.1109E-00	-0.1207E-00	0.5663E-01	-0.9041E-01	0.2246E-01	-0.1620E-01	0.1210E-01	-0.0890E-01	-0.0570E-01	-0.0250E-01	-0.0000E-01	-0.0250E-01	-0.0500E-01
-0.1165E-00	0.1165E-00	0.1165E-00	-0.4053E-01	-0.1719E-00	-0.2553E-00	-0.3535E-01	0.4860E-01	-0.5378E-01	0.2739E-01	-0.5017E-01	0.2615E-01	-0.5017E-01	0.2615E-01	-0.5017E-01	0.2615E-01	-0.5017E-01

[illegible]

RESIDUAL VELOCITY IN CM/SEC. AT LEVEL N.A.

21

	52.5N	57.5	62.5	67.5	72.5	77.5	82.5	87.5	92.5	97.5	02.5N	07.5	12.5	17.5	22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5	72.5	77.5	82.5	87.5	92.5	97.5
52.5N																														
57.5N																														
62.5N																														
67.5N																														
72.5N																														
77.5N																														
82.5N																														
87.5N																														
92.5N																														
97.5N																														
02.5N																														
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67.5N																														
72.5N																														
77.5N																														
82.5N																														
87.5N																														
92.5N																														
97.5N																														

-0.5064E-01 5.6675E-01 -0.7774E-01 0.4875E-01 -0.3327E-01 0.4077E-02 0.4766E-02 -0.1057E-01 0.4905E-01 -0.2641E-01 0.1051E-01 -0.2128E-01

	62.5	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5
57.5N																	
52.5N									-0.263N-01	0.1128N-01	0.5028N-02	0.2470N-02	0.5708N-02	0.1871N-01	0.1776N-02	0.1055N-01	-0.5601N-03
47.5N									0.3307N-01	0.5256N-01	0.2760N-01	0.1191N-01	0.1144N-01	0.1273N-01	0.1362N-01	0.4360N-01	0.4781N-01
42.5N									-0.3154N-01	0.3078N-01	-0.2233N-01	0.2717N-01	0.2677N-01	0.2747N-02	-0.3947N-01	-0.2767N-02	-0.5022N-01
37.5N									0.1614N-02	0.4028N-01	-0.1178N-01	0.7630N-01	-0.4614N-01	0.1515N-01	0.1021N-01	0.1019N-01	0.2180N-02
32.5N									-0.1099N-01	0.2909N-02	-0.7544N-01	-0.2160N-01	-0.6879N-01	-0.2769N-01	-0.4744N-01	-0.2709N-02	-0.2453N-01
27.5N									0.2378N-01	0.1158N-01	0.3160N-01	0.1030N-01	0.1166N-01	0.1030N-01	0.1090N-01	0.2047N-01	0.0276N-01
22.5N									-0.1304N-01	-0.2358N-01	-0.1272N-01	-0.1762N-01	-0.4386N-01	-0.1707N-01	-0.4386N-01	-0.2367N-01	-0.2407N-01
17.5N									0.1944N-01	0.2861N-01	0.4544N-01	0.1531N-01	0.3529N-01	0.1666N-01	0.7053N-01	0.8543N-01	0.9722N-01
12.5N									-0.2279N-01	-0.1917N-01	-0.3258N-01	-0.4192N-01	-0.3571N-01	-0.4356N-01	-0.3571N-01	-0.4356N-01	-0.3571N-01
07.5N									-0.3173N-01	-0.4442N-01	-0.4458N-01	-0.4458N-01	-0.4458N-01	-0.4458N-01	-0.4458N-01	-0.4458N-01	-0.4458N-01
02.5N									0.6314N-01	0.9557N-01	0.6272N-01	0.4019N-01	0.7284N-01	0.7302N-01	0.7302N-01	0.7302N-01	0.7302N-01

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82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	7.5	07.5S
59.5N								-0.1689E-03	0.4689E-02	-0.1328E-03	0.5659E-02	0.2257E-02	0.4770E-02	0.1615E-02	0.2522E-02	-0.2611E-03
52.5N						0.1755E-01	-0.2167E-01	0.2285E-01	0.2265E-01	0.1712E-01	0.2519E-01	0.1229E-01	0.2627E-01	0.1402E-01		
47.5N						-0.1697E-01	-0.1423E-01	-0.2339E-01	-0.1019E-01	-0.2531E-01	-0.2031E-02	-0.2574E-01	-0.7379E-02	-0.2644E-01	-0.2567E-02	-0.4
42.5N						0.1194E-01	0.3747E-01	0.1485E-01	0.2743E-01	0.1335E-01	0.4655E-02	0.1637E-01	0.6178E-02	0.1636E-01	0.4418E-02	0.2472E-01
37.5N						-0.6515E-01	-0.4725E-02	-0.6447E-01	-0.1409E-01	-0.3254E-01	-0.1339E-01	-0.1124E-01	-0.1244E-01	-0.1396E-01	-0.6403E-02	-0.6779E-02
32.5N						0.6537E-01	0.4325E-00	0.6133E-01	0.4407E-00	0.4203E-00	0.3784E-00	0.3426E-01	0.2933E-00	0.4459E-01	0.2603E-00	
27.5N						-0.1416E-00	0.1972E-02	-0.1292E-00	0.1733E-01	-0.1164E-00	0.2461E-01	-0.1054E-01	0.1816E-01	-0.2369E-01	0.1832E-01	-0.3450E-02
22.5N						-0.5024E-00	-0.4572E-01	-0.4873E-00	-0.7209E-01	-0.4510E-00	-0.7724E-01	-0.4273E-00	-0.3968E-00	-0.7256E-01	-0.3472E-00	-0.4615E-01
17.5N						0.1573E-00	0.1786E-01	0.1439E-00	-0.1584E-02	0.3147E-00	-0.1166E-01	0.2776E-00	-0.2766E-01	0.1712E-00	-0.2602E-01	0.1051E-00
12.5N						0.3374E-05	-0.1422E-03	0.4694E-01	-0.4055E-03	0.3315E-03	-0.3755E-03	-0.1714E-02	-0.2898E-03	0.2693E-02	-0.2132E-03	0.1951E-02
07.5N								0.1809E-01	-0.1267E-00	0.7983E-02	-0.9964E-01	0.6139E-02	-0.4061E-01	0.2149E-02	-0.3134E-01	-0.2337E-02
02.5N								0.2941E-01	0.4825E-02	0.2608E-01	-0.1616E-02	0.1403E-01	-0.1326E-01	0.4570E-02	-0.2752E-01	-0.4

STREAM FUNCTION IN UNITS OF CM**2/SEC. AT LEVEL NP. 28

	82.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5
82.5N																	
82.5N								0.8587E 06	0.3127E 06	0.2246E 06	0.2622E 06	0.4694E 06	0.6691E 06	0.8684E 06	0.1272E 05	0.4865E 06	
82.5N								-0.3056E 06	-0.4513E 05	-0.3409E 06	0.1262E 04	-0.3314E 06	-0.4111E 05	-0.2730E 06	-0.4712E 05	-0.2662E 06	
82.5N								-0.7555E 06	-0.7782E 05	-0.4558E 06	-0.1025E 05	-0.3014E 06	-0.2656E 05	-0.5764E 06	-0.4154E 05	-0.4607E 05	-0.5515E 06
82.5N								0.4167E 06	0.1190E 06	0.4522E 05	0.2622E 06	0.5316E 06	0.7103E 06	0.7834E 06	0.4326E 06	0.1565E 06	0.4157E 06
37.5N								-0.2219E 07	-0.5311E 06	-0.7719E 07	-0.6277E 06	-0.2139E 07	-0.6595E 06	-0.2132E 07	-0.6165E 06	-0.2211E 07	-0.4749E 06
37.5N								0.4022E 06	-0.1251E 06	0.4549E 06	-0.1420E 05	0.5946E 06	-0.7194E 06	0.4668E 06	-0.1642E 07	0.7864E 06	-0.1210E 07
37.5N								-0.2262E 06	-0.2710E 07	-0.2154E 08	-0.2635E 07	-0.2154E 08	-0.2635E 07	-0.1988E 08	-0.2611E 07	-0.1833E 08	-0.2334E 07
22.5N								0.4313E 07	-0.1775E 06	0.4050E 07	-0.8751E 06	0.3568E 07	-0.1387E 07	0.5942E 07	-0.1875E 07	0.2283E 07	-0.2754E 07
17.5N								0.3184E 07	0.1252E 06	0.1021E 07	0.6411E 05	0.5442E 06	0.1543E 05	0.4546E 06	-0.1239E 05	0.4118E 06	-0.1944E 06
12.5N								-0.3381E 07	0.7023E 06	-0.3889E 07	0.1102E 07	-0.1722E 07	0.2530E 07	-0.3316E 07	0.3181E 07	-0.2677E 07	0.3602E 07
07.5N								0.1264E 07	-0.2658E 06	0.4399E 06	-0.1112E 07	0.4639E 06	-0.1112E 07	0.3966E 06	-0.1516E 07	-0.4572E 04	-0.1711E 07
02.5N								-0.4823E 05	-0.1496E 06	0.4540E 06	-0.1049E 06	0.2163E 06	-0.1319E 06	0.2163E 06	-0.1319E 06	0.2163E 06	-0.1319E 06

	57.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5	07.5E
37.5N							0.432E-03	0.3198E-02	-0.1659E-03	0.3042E-02	0.3552E-03	0.2412E-02	0.6631E-03	0.4523E-02	-0.1261E-03		
32.5N						0.9345E-02	0.1218E-01	0.1205E-01	0.1079E-01	0.1105E-01	0.1208E-01	0.8383E-02	0.1313E-01	0.7698E-02			
27.5N						-0.9105E-02	-0.1072E-01	-0.1104E-01	-0.8435E-02	-0.1206E-01	-0.0874E-02	-0.1154E-01	-0.7151E-02	-0.1177E-01	-0.1127E-02	-0.	
22.5N						0.7767E-02	0.2557E-01	0.8551E-02	0.1554E-01	0.7032E-02	0.1383E-01	0.2364E-01	0.2347E-02	0.1632E-01			
17.5N						-0.3151E-01	-0.6844E-02	-0.2222E-01	-0.7470E-02	-0.1743E-01	-0.7598E-02	-0.1169E-01	-0.1466E-02	-0.5179E-02	-0.4527E-03	-0.1045E-03	0.3533E-02
12.5N						0.3705E-01	0.2430E-00	0.2297E-01	0.2269E-01	0.2125E-00	0.1917E-01	0.1976E-00	0.1866E-01	0.1875E-03	0.1849E-01	0.1894E-02	0.1790E-01
07.5N						-0.1184E-01	-0.4506E-01	-0.2197E-01	-0.4254E-01	-0.3963E-01	-0.3515E-01	-0.3357E-01	-0.2974E-01	-0.1874E-01	-0.1396E-01	-0.2263E-01	-0.1694E-01
						-0.2969E-00	-0.3123E-01	-0.3166E-01	-0.2786E-01	-0.2491E-01	-0.2255E-01	-0.2111E-00	-0.2182E-01	-0.1971E-00	-0.1738E-01		
						0.1314E-00	0.1262E-02	0.1262E-00	0.1186E-00	0.1186E-01	0.8609E-01	0.8552E-01	0.6415E-01	0.7126E-01	0.3424E-01	0.2607E-01	
						0.7261E-02	0.1778E-02	0.6591E-02	0.6591E-02	0.6591E-02	0.6591E-02	0.6591E-02	0.6591E-02	0.6591E-02	0.6591E-02	0.6591E-02	0.6591E-02
						0.3033E-01	0.4107E-01	0.3877E-01	0.2077E-01	0.4233E-01	0.4194E-01	0.4310E-01	0.4402E-02	0.4108E-01	0.4493E-02		
						0.6745E-02	0.4599E-02	0.2275E-02	0.1217E-01	0.2020E-02	0.4170E-01	0.4578E-02	0.4178E-02	0.4178E-02	0.4178E-02	0.4178E-02	0.4178E-02

STREAM FUNCTION IN UNITS OF CM²/SEC. AT LEVEL NR. 26

	62.5	67.5	72.5	77.5	82.5	87.5	92.5	97.5	102.5	107.5	112.5	117.5	122.5	127.5	132.5	137.5	142.5	147.5	152.5	157.5	162.5	167.5	172.5	177.5	182.5	187.5	192.5	197.5	202.5	207.5	212.5	217.5	222.5	227.5	232.5	237.5	242.5	247.5	252.5	257.5	262.5	267.5	272.5	277.5	282.5	287.5	292.5	297.5	302.5	307.5	312.5	317.5	322.5	327.5	332.5	337.5	342.5	347.5	352.5	357.5	362.5	367.5	372.5	377.5	382.5	387.5	392.5	397.5	402.5	407.5	412.5	417.5	422.5	427.5	432.5	437.5	442.5	447.5	452.5	457.5	462.5	467.5	472.5	477.5	482.5	487.5	492.5	497.5	502.5	507.5	512.5	517.5	522.5	527.5	532.5	537.5	542.5	547.5	552.5	557.5	562.5	567.5	572.5	577.5	582.5	587.5	592.5	597.5	602.5	607.5	612.5	617.5	622.5	627.5	632.5	637.5	642.5	647.5	652.5	657.5	662.5	667.5	672.5	677.5	682.5	687.5	692.5	697.5	702.5	707.5	712.5	717.5	722.5	727.5	732.5	737.5	742.5	747.5	752.5	757.5	762.5	767.5	772.5	777.5	782.5	787.5	792.5	797.5	802.5	807.5	812.5	817.5	822.5	827.5	832.5	837.5	842.5	847.5	852.5	857.5	862.5	867.5	872.5	877.5	882.5	887.5	892.5	897.5	902.5	907.5	912.5	917.5	922.5	927.5	932.5	937.5	942.5	947.5	952.5	957.5	962.5	967.5	972.5	977.5	982.5	987.5	992.5	997.5	1002.5	1007.5	1012.5	1017.5	1022.5	1027.5	1032.5	1037.5	1042.5	1047.5	1052.5	1057.5	1062.5	1067.5	1072.5	1077.5	1082.5	1087.5	1092.5	1097.5	1102.5	1107.5	1112.5	1117.5	1122.5	1127.5	1132.5	1137.5	1142.5	1147.5	1152.5	1157.5	1162.5	1167.5	1172.5	1177.5	1182.5	1187.5	1192.5	1197.5	1202.5	1207.5	1212.5	1217.5	1222.5	1227.5	1232.5	1237.5	1242.5	1247.5	1252.5	1257.5	1262.5	1267.5	1272.5	1277.5	1282.5	1287.5	1292.5	1297.5	1302.5	1307.5	1312.5	1317.5	1322.5	1327.5	1332.5	1337.5	1342.5	1347.5	1352.5	1357.5	1362.5	1367.5	1372.5	1377.5	1382.5	1387.5	1392.5	1397.5	1402.5	1407.5	1412.5	1417.5	1422.5	1427.5	1432.5	1437.5	1442.5	1447.5	1452.5	1457.5	1462.5	1467.5	1472.5	1477.5	1482.5	1487.5	1492.5	1497.5	1502.5	1507.5	1512.5	1517.5	1522.5	1527.5	1532.5	1537.5	1542.5	1547.5	1552.5	1557.5	1562.5	1567.5	1572.5	1577.5	1582.5	1587.5	1592.5	1597.5	1602.5	1607.5	1612.5	1617.5	1622.5	1627.5	1632.5	1637.5	1642.5	1647.5	1652.5	1657.5	1662.5	1667.5	1672.5	1677.5	1682.5	1687.5	1692.5	1697.5	1702.5	1707.5	1712.5	1717.5	1722.5	1727.5	1732.5	1737.5	1742.5	1747.5	1752.5	1757.5	1762.5	1767.5	1772.5	1777.5	1782.5	1787.5	1792.5	1797.5	1802.5	1807.5	1812.5	1817.5	1822.5	1827.5	1832.5	1837.5	1842.5	1847.5	1852.5	1857.5	1862.5	1867.5	1872.5	1877.5	1882.5	1887.5	1892.5	1897.5	1902.5	1907.5	1912.5	1917.5	1922.5	1927.5	1932.5	1937.5	1942.5	1947.5	1952.5	1957.5	1962.5	1967.5	1972.5	1977.5	1982.5	1987.5	1992.5	1997.5	2002.5	2007.5	2012.5	2017.5	2022.5	2027.5	2032.5	2037.5	2042.5	2047.5	2052.5	2057.5	2062.5	2067.5	2072.5	2077.5	2082.5	2087.5	2092.5	2097.5	2102.5	2107.5	2112.5	2117.5	2122.5	2127.5	2132.5	2137.5	2142.5	2147.5	2152.5	2157.5	2162.5	2167.5	2172.5	2177.5	2182.5	2187.5	2192.5	2197.5	2202.5	2207.5	2212.5	2217.5	2222.5	2227.5	2232.5	2237.5	2242.5	2247.5	2252.5	2257.5	2262.5	2267.5	2272.5	2277.5	2282.5	2287.5	2292.5	2297.5	2302.5	2307.5	2312.5	2317.5	2322.5	2327.5	2332.5	2337.5	2342.5	2347.5	2352.5	2357.5	2362.5	2367.5	2372.5	2377.5	2382.5	2387.5	2392.5	2397.5	2402.5	2407.5	2412.5	2417.5	2422.5	2427.5	2432.5	2437.5	2442.5	2447.5	2452.5	2457.5	2462.5	2467.5	2472.5	2477.5	2482.5	2487.5	2492.5	2497.5	2502.5	2507.5	2512.5	2517.5	2522.5	2527.5	2532.5	2537.5	2542.5	2547.5	2552.5	2557.5	2562.5	2567.5	2572.5	2577.5	2582.5	2587.5	2592.5	2597.5	2602.5	2607.5	2612.5	2617.5	2622.5	2627.5	2632.5	2637.5	2642.5	2647.5	2652.5	2657.5	2662.5	2667.5	2672.5	2677.5	2682.5	2687.5	2692.5	2697.5	2702.5	2707.5	2712.5	2717.5	2722.5	2727.5	2732.5	2737.5	2742.5	2747.5	2752.5	2757.5	2762.5	2767.5	2772.5	2777.5	2782.5	2787.5	2792.5	2797.5	2802.5	2807.5	2812.5	2817.5	2822.5	2827.5	2832.5	2837.5	2842.5	2847.5	2852.5	2857.5	2862.5	2867.5	2872.5	2877.5	2882.5	2887.5	2892.5	2897.5	2902.5	2907.5	2912.5	2917.5	2922.5	2927.5	2932.5	2937.5	2942.5	2947.5	2952.5	2957.5	2962.5	2967.5	2972.5	2977.5	2982.5	2987.5	2992.5	2997.5	3002.5	3007.5	3012.5	3017.5	3022.5	3027.5	3032.5	3037.5	3042.5	3047.5	3052.5	3057.5	3062.5	3067.5	3072.5	3077.5	3082.5	3087.5	3092.5	3097.5	3102.5	3107.5	3112.5	3117.5	3122.5	3127.5	3132.5	3137.5	3142.5	3147.5	3152.5	3157.5	3162.5	3167.5	3172.5	3177.5	3182.5	3187.5	3192.5	3197.5	3202.5	3207.5	3212.5	3217.5	3222.5	3227.5	3232.5	3237.5	3242.5	3247.5	3252.5	3257.5	3262.5	3267.5	3272.5	3277.5	3282.5	3287.5	3292.5	3297.5	3302.5	3307.5	3312.5	3317.5	3322.5	3327.5	3332.5	3337.5	3342.5	3347.5	3352.5	3357.5	3362.5	3367.5	3372.5	3377.5	3382.5	3387.5	3392.5	3397.5	3402.5	3407.5	3412.5	3417.5	3422.5	3427.5	3432.5	3437.5	3442.5	3447.5	3452.5	3457.5	3462.5	3467.5	3472.5	3477.5	3482.5	3487.5	3492.5	3497.5	3502.5	3507.5	3512.5	3517.5	3522.5	3527.5	3532.5	3537.5	3542.5	3547.5	3552.5	3557.5	3562.5	3567.5	3572.5	3577.5	3582.5	3587.5	3592.5	3597.5	3602.5	3607.5	3612.5	3617.5	3622.5	3627.5	3632.5	3637.5	3642.5	3647.5	3652.5	3657.5	3662.5	3667.5	3672.5	3677.5	3682.5	3687.5	3692.5	3697.5	3702.5	3707.5	3712.5	3717.5	3722.5	3727.5	3732.5	3737.5	3742.5	3747.5	3752.5	3757.5	3762.5	3767.5	3772.5	3777.5	3782.5	3787.5	3792.5	3797.5	3802.5	3807.5	3812.5	3817.5	3822.5	3827.5	3832.5	3837.5	3842.5	3847.5	3852.5	3857.5	3862.5	3867.5	3872.5	3877.5	3882.5	3887.5	3892.5	3897.5	3902.5	3907.5	3912.5	3917.5	3922.5	3927.5	3932.5	3937.5	3942.5	3947.5	3952.5	3957.5	3962.5	3967.5	3972.5	3977.5	3982.5	3987.5	3992.5	3997.5	4002.5	4007.5	4012.5	4017.5	4022.5	4027.5	4032.5	4037.5	4042.5	4047.5	4052.5	4057.5	4062.5	4067.5	4072.5	4077.5	4082.5	4087.5	4092.5	4097.5	4102.5	4107.5	4112.5	4117.5	4122.5	4127.5	4132.5	4137.5	4142.5	4147.5	4152.5	4157.5	4162.5	4167.5	4172.5	4177.5	4182.5	4187.5	4192.5	4197.5	4202.5	4207.5	4212.5	4217.5	4222.5	4227.5	4232.5	4237.5	4242.5	4247.5	4252.5	4257.5	4262.5	4267.5	4272.5	4277.5	4282.5	4287.5	4292.5	4297.5	4302.5	4307.5	4312.5	4317.5	4322.5	4327.5	4332.5	4337.5	4342.5	4347.5	4352.5	4357.5	4362.5	4367.5	4372.5	4377.5	4382.5	4387.5	4392.5	4397.5	4402.5	4407.5	4412.5	4417.5	4422.5	4427.5	4432.5	4437.5	4442.5	4447.5	4452.5	4457.5	4462.5	4467.5	4472.5	4477.5	4482.5	4487.5	4492.5	4497.5	4502.5	4507.5	4512.5	4517.5	4522.5	4527.5	4532.5	4537.5	4542.5	4547.5	4552.5	4557.5	4562.5	4567.5	4572.5	4577.5	4582.5	4587.5	4592.5	4597.5	4602.5	4607.5	4612.5	4617.5	4622.5	4627.5	4632.5	4637.5	4642.5	4647.5	4652.5	4657.5	4662.5	4667.5	4672.5	4677.5	4682.5	4687.5	4692.5	4697.5	4702.5	4707.5	4712.5	4717.5	4722.5	4727.5	4732.5	4737.5	4742.5	4747.5	4752.5	4757.5	4762.5	4767.5	4772.5	4777.5	4782.5	4787.5	4792.5	4797.5	4802.5	4807.5	4812.5	4817.5	4822.5	4827.5	4832.5	4837.5	4842.5	4847.5	4852.5	4857.5	4862.5	4867.5	4872.5	4877.5	4882.5	4887.5	4892.5	4897.5	4902.5	4907.5	4912.5	4917.5	4922.5	4927.5	4932.5	4937.5	4942.5	4947.5	4952.5	4957.5	4962.5	4967.5	4972.5	4977.5	4982.5	4987.5	4992.5	4997.5	5002.5	5007.5	5012.5	5017.5	5022.5	5027.5	5032.5	5037.5	5042.5	5047.5	5052.5	5057.5	5062.5	5067.5	5072.5	5077.5	5082.5	5087.5	5092.5	5097.5	5102.5	5107.5	5112.5	5117.5	5122.5	5127.5	5132.5	5137.5	5142.5	5147.5	5152.5	5157.5	5162.5	5167.5	5172.5	5177.5	5182.5	5187.5	5192.5	5197.5	5202.5	5207.5	5212.5	5217.5	5222.5	5227.5	5232.5	5237.5	5242.5	5247.5	5252.5	5257.5	5262.5	5267.5	5272.5	5277.5	5282.5	5287.5	5292.5	5297.5	5302.5	5307.5	5312.5	5317.5	5322.5	5327.5	5332.5	5337.5	5342.5	5347.5	5352.5	5357.5	5362.5	5367.5	5372.5	5377.5	5382.5	5387.5	5392.5	5397.5	5402.5	5407.5	5412.5	5417.5	5422.5	5427.5	5432.5	5437.5	5442.5	5447.5	5452.5	5457.5	5462.5	5467.5	5472.5	5477.5	5482.5	5487.5	5492.5	5497.5	5502.5	5507.5	5512.5	5517.5	5522.5	5527.5	5532.5	5537.5	5542.5	5547.5	5552.5	5557.5	5562.5	5567.5	5572.5	5577.5	5582.5	5587.5	5592.5	5597.5	5602.5	5607.5	5612.5	5617.5	5622.5	5627.5	5632.5	5637.5	5642.5	5647.5	5652.5	5657.5	5662.5	5667.5	5672.5	5677.5	5682.5	5687.5	5692.5	5697.5	5702.5	5707.5	5712.5	5717.5	5722.5	5727.5	5732.
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ZONAL VELOCITY IN CM/SEC. AT LEVEL NO.

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	82.5N	74.5N	72.5N	70.5N	62.5N	57.5N	52.5N	47.5N	42.5N	37.5N	32.5N	27.5N	22.5N	17.5N	12.5N	07.5N	02.5N	07.5E
57.5N									0.1401E-03	0.40537E-03	-0.4335E-03	0.7971E-03	-0.7193E-03	0.7168E-03	0.3305E-04	0.6773E-03	-0.1957E-04	
52.5N							0.2035E-02	0.3413E-02	0.3045E-02	0.2708E-02	0.2303E-02	0.2277E-02	0.2712E-02	0.2393E-02	0.2279E-02			
47.5N							-0.2346E-02	-0.3024E-02	-0.2153E-02	-0.2574E-02	-0.1809E-02	-0.1897E-02	-0.1308E-02	-0.1270E-02	-0.1117E-02	-0.2728E-03	-0.	
42.5N						0.1674E-03	0.3771E-02	0.2052E-02	0.4601E-02	0.1895E-02	0.4765E-02	0.4186E-02	0.4157E-02	0.4439E-02	0.4018E-02	0.4854E-02		
37.5N			-0.3169E-02	0.1450E-02	0.3464E-02	0.1516E-02	-0.2775E-02	0.4181E-02	-0.4324E-03	0.4150E-02	0.4139E-02	0.4124E-02	0.2971E-02	0.4093E-02	0.4092E-02			
32.5N		0.0342E-02	0.7442E-01	0.4818E-02	0.7358E-01	0.3325E-02	0.7022E-01	0.2534E-02	0.6792E-01	0.2748E-02	0.4053E-01	0.3765E-02	0.6323E-01	0.4094E-02	0.4614E-01			
27.5N	-0.1804E-13	0.9031E-03	-0.1183E-02	0.3727E-02	-0.3183E-02	0.5697E-02	-0.5852E-02	0.7020E-02	-0.7357E-02	0.7164E-02	-0.4614E-02	0.7794E-02	-0.1273E-01	0.7794E-02	-0.1250E-01			
22.5N	-0.9944E-01	-0.4625E-02	-0.6774E-01	-0.4551E-02	-0.4427E-01	-0.3392E-02	-0.4087E-01	-0.1495E-02	-0.7472E-01	-0.1190E-02	-0.7350E-01	-0.1111E-02	-0.2007E-02	-0.1118E-02				
17.5N	0.3844E-02	-0.5454E-02	0.1975E-02	-0.1111E-01	0.4594E-02	-0.1661E-01	0.4541E-02	-0.2760E-01	0.4661E-02	-0.2462E-01	0.4859E-02	-0.2378E-01	0.4939E-02	0.2563E-02	0.2563E-02			
12.5N	0.1040E-02	-0.3773E-04	0.1096E-02	-0.4402E-02	0.2644E-02	0.1239E-02	0.4174E-02	0.1028E-02	0.4798E-02	0.6742E-01	0.4011E-02	0.2105E-04	0.4132E-02	-0.1195E-02				
07.5N						0.1165E-01	0.4994E-02	0.1638E-01	0.4156E-02	0.1027E-01	0.2944E-02	0.1422E-01	0.2716E-02	0.4161E-01	0.6973E-01			
02.5N							-0.4323E-02	-0.3179E-02	-0.4576E-02	-0.4510E-02	-0.4640E-02	-0.4637E-02	-0.4637E-02	-0.4637E-02	-0.4637E-02	-0.	-0.	-0.

STREAM FUNCTION IN UNITS OF CM**2/SEC. AT LEVEL NO. 28

	32.5N	31.5	30.5	29.5	28.5	27.5	26.5	25.5	24.5	23.5	22.5	21.5	20.5	19.5	18.5	17.5	16.5	15.5	14.5	13.5	12.5	11.5	10.5	9.5	8.5	7.5	6.5	5.5	4.5	3.5	2.5	1.5	0.5	0	-0.5	-1.5	-2.5	-3.5	-4.5	-5.5	-6.5	-7.5	-8.5	-9.5	-10.5	-11.5	-12.5	-13.5	-14.5	-15.5	-16.5	-17.5	-18.5	-19.5	-20.5	-21.5	-22.5	-23.5	-24.5	-25.5	-26.5	-27.5	-28.5	-29.5	-30.5	-31.5	-32.5	-33.5	-34.5	-35.5	-36.5	-37.5	-38.5	-39.5	-40.5	-41.5	-42.5	-43.5	-44.5	-45.5	-46.5	-47.5	-48.5	-49.5	-50.5	-51.5	-52.5	-53.5	-54.5	-55.5	-56.5	-57.5	-58.5	-59.5	-60.5	-61.5	-62.5	-63.5	-64.5	-65.5	-66.5	-67.5	-68.5	-69.5	-70.5	-71.5	-72.5	-73.5	-74.5	-75.5	-76.5	-77.5	-78.5	-79.5	-80.5	-81.5	-82.5	-83.5	-84.5	-85.5	-86.5	-87.5	-88.5	-89.5	-90.5	-91.5	-92.5	-93.5	-94.5	-95.5	-96.5	-97.5	-98.5	-99.5	-100.5	-101.5	-102.5	-103.5	-104.5	-105.5	-106.5	-107.5	-108.5	-109.5	-110.5	-111.5	-112.5	-113.5	-114.5	-115.5	-116.5	-117.5	-118.5	-119.5	-120.5	-121.5	-122.5	-123.5	-124.5	-125.5	-126.5	-127.5	-128.5	-129.5	-130.5	-131.5	-132.5	-133.5	-134.5	-135.5	-136.5	-137.5	-138.5	-139.5	-140.5	-141.5	-142.5	-143.5	-144.5	-145.5	-146.5	-147.5	-148.5	-149.5	-150.5	-151.5	-152.5	-153.5	-154.5	-155.5	-156.5	-157.5	-158.5	-159.5	-160.5	-161.5	-162.5	-163.5	-164.5	-165.5	-166.5	-167.5	-168.5	-169.5	-170.5	-171.5	-172.5	-173.5	-174.5	-175.5	-176.5	-177.5	-178.5	-179.5	-180.5	-181.5	-182.5	-183.5	-184.5	-185.5	-186.5	-187.5	-188.5	-189.5	-190.5	-191.5	-192.5	-193.5	-194.5	-195.5	-196.5	-197.5	-198.5	-199.5	-200.5	-201.5	-202.5	-203.5	-204.5	-205.5	-206.5	-207.5	-208.5	-209.5	-210.5	-211.5	-212.5	-213.5	-214.5	-215.5	-216.5	-217.5	-218.5	-219.5	-220.5	-221.5	-222.5	-223.5	-224.5	-225.5	-226.5	-227.5	-228.5	-229.5	-230.5	-231.5	-232.5	-233.5	-234.5	-235.5	-236.5	-237.5	-238.5	-239.5	-240.5	-241.5	-242.5	-243.5	-244.5	-245.5	-246.5	-247.5	-248.5	-249.5	-250.5	-251.5	-252.5	-253.5	-254.5	-255.5	-256.5	-257.5	-258.5	-259.5	-260.5	-261.5	-262.5	-263.5	-264.5	-265.5	-266.5	-267.5	-268.5	-269.5	-270.5	-271.5	-272.5	-273.5	-274.5	-275.5	-276.5	-277.5	-278.5	-279.5	-280.5	-281.5	-282.5	-283.5	-284.5	-285.5	-286.5	-287.5	-288.5	-289.5	-290.5	-291.5	-292.5	-293.5	-294.5	-295.5	-296.5	-297.5	-298.5	-299.5	-300.5	-301.5	-302.5	-303.5	-304.5	-305.5	-306.5	-307.5	-308.5	-309.5	-310.5	-311.5	-312.5	-313.5	-314.5	-315.5	-316.5	-317.5	-318.5	-319.5	-320.5	-321.5	-322.5	-323.5	-324.5	-325.5	-326.5	-327.5	-328.5	-329.5	-330.5	-331.5	-332.5	-333.5	-334.5	-335.5	-336.5	-337.5	-338.5	-339.5	-340.5	-341.5	-342.5	-343.5	-344.5	-345.5	-346.5	-347.5	-348.5	-349.5	-350.5	-351.5	-352.5	-353.5	-354.5	-355.5	-356.5	-357.5	-358.5	-359.5	-360.5	-361.5	-362.5	-363.5	-364.5	-365.5	-366.5	-367.5	-368.5	-369.5	-370.5	-371.5	-372.5	-373.5	-374.5	-375.5	-376.5	-377.5	-378.5	-379.5	-380.5	-381.5	-382.5	-383.5	-384.5	-385.5	-386.5	-387.5	-388.5	-389.5	-390.5	-391.5	-392.5	-393.5	-394.5	-395.5	-396.5	-397.5	-398.5	-399.5	-400.5	-401.5	-402.5	-403.5	-404.5	-405.5	-406.5	-407.5	-408.5	-409.5	-410.5	-411.5	-412.5	-413.5	-414.5	-415.5	-416.5	-417.5	-418.5	-419.5	-420.5	-421.5	-422.5	-423.5	-424.5	-425.5	-426.5	-427.5	-428.5	-429.5	-430.5	-431.5	-432.5	-433.5	-434.5	-435.5	-436.5	-437.5	-438.5	-439.5	-440.5	-441.5	-442.5	-443.5	-444.5	-445.5	-446.5	-447.5	-448.5	-449.5	-450.5	-451.5	-452.5	-453.5	-454.5	-455.5	-456.5	-457.5	-458.5	-459.5	-460.5	-461.5	-462.5	-463.5	-464.5	-465.5	-466.5	-467.5	-468.5	-469.5	-470.5	-471.5	-472.5	-473.5	-474.5	-475.5	-476.5	-477.5	-478.5	-479.5	-480.5	-481.5	-482.5	-483.5	-484.5	-485.5	-486.5	-487.5	-488.5	-489.5	-490.5	-491.5	-492.5	-493.5	-494.5	-495.5	-496.5	-497.5	-498.5	-499.5	-500.5	-501.5	-502.5	-503.5	-504.5	-505.5	-506.5	-507.5	-508.5	-509.5	-510.5	-511.5	-512.5	-513.5	-514.5	-515.5	-516.5	-517.5	-518.5	-519.5	-520.5	-521.5	-522.5	-523.5	-524.5	-525.5	-526.5	-527.5	-528.5	-529.5	-530.5	-531.5	-532.5	-533.5	-534.5	-535.5	-536.5	-537.5	-538.5	-539.5	-540.5	-541.5	-542.5	-543.5	-544.5	-545.5	-546.5	-547.5	-548.5	-549.5	-550.5	-551.5	-552.5	-553.5	-554.5	-555.5	-556.5	-557.5	-558.5	-559.5	-560.5	-561.5	-562.5	-563.5	-564.5	-565.5	-566.5	-567.5	-568.5	-569.5	-570.5	-571.5	-572.5	-573.5	-574.5	-575.5	-576.5	-577.5	-578.5	-579.5	-580.5	-581.5	-582.5	-583.5	-584.5	-585.5	-586.5	-587.5	-588.5	-589.5	-590.5	-591.5	-592.5	-593.5	-594.5	-595.5	-596.5	-597.5	-598.5	-599.5	-600.5	-601.5	-602.5	-603.5	-604.5	-605.5	-606.5	-607.5	-608.5	-609.5	-610.5	-611.5	-612.5	-613.5	-614.5	-615.5	-616.5	-617.5	-618.5	-619.5	-620.5	-621.5	-622.5	-623.5	-624.5	-625.5	-626.5	-627.5	-628.5	-629.5	-630.5	-631.5	-632.5	-633.5	-634.5	-635.5	-636.5	-637.5	-638.5	-639.5	-640.5	-641.5	-642.5	-643.5	-644.5	-645.5	-646.5	-647.5	-648.5	-649.5	-650.5	-651.5	-652.5	-653.5	-654.5	-655.5	-656.5	-657.5	-658.5	-659.5	-660.5	-661.5	-662.5	-663.5	-664.5	-665.5	-666.5	-667.5	-668.5	-669.5	-670.5	-671.5	-672.5	-673.5	-674.5	-675.5	-676.5	-677.5	-678.5	-679.5	-680.5	-681.5	-682.5	-683.5	-684.5	-685.5	-686.5	-687.5	-688.5	-689.5	-690.5	-691.5	-692.5	-693.5	-694.5	-695.5	-696.5	-697.5	-698.5	-699.5	-700.5	-701.5	-702.5	-703.5	-704.5	-705.5	-706.5	-707.5	-708.5	-709.5	-710.5	-711.5	-712.5	-713.5	-714.5	-715.5	-716.5	-717.5	-718.5	-719.5	-720.5	-721.5	-722.5	-723.5	-724.5	-725.5	-726.5	-727.5	-728.5	-729.5	-730.5	-731.5	-732.5	-733.5	-734.5	-735.5	-736.5	-737.5	-738.5	-739.5	-740.5	-741.5	-742.5	-743.5	-744.5	-745.5	-746.5	-747.5	-748.5	-749.5	-750.5	-751.5	-752.5	-753.5	-754.5	-755.5	-756.5	-757.5	-758.5	-759.5	-760.5	-761.5	-762.5	-763.5	-764.5	-765.5	-766.5	-767.5	-768.5	-769.5	-770.5	-771.5	-772.5	-773.5	-774.5	-775.5	-776.5	-777.5	-778.5	-779.5	-780.5	-781.5	-782.5	-783.5	-784.5	-785.5	-786.5	-787.5	-788.5	-789.5	-790.5	-791.5	-792.5	-793.5	-794.5	-795.5	-796.5	-797.5	-798.5	-799.5	-800.5	-801.5	-802.5	-803.5	-804.5	-805.5	-806.5	-807.5	-808.5	-809.5	-810.5	-811.5	-812.5	-813.5	-814.5	-815.5	-816.5	-817.5	-818.5	-819.5	-820.5	-821.5	-822.5	-823.5	-824.5	-825.5	-826.5	-827.5	-828.5	-829.5	-830.5	-831.5	-832.5	-833.5	-834.5	-835.5	-836.5	-837.5	-838.5	-839.5	-840.5	-841.5	-842.5	-843.5	-844.5	-845.5	-846.5	-847.5	-848.5	-849.5	-850.5	-851.5	-852.5	-853.5	-854.5	-855.5	-856.5	-857.5	-858.5	-859.5	-860.5	-861.5	-862.5	-863.5	-864.5	-865.5	-866.5	-867.5	-868.5	-869.5	-870.5	-871.5	-872.5	-873.5	-874.5	-875.5	-876.5	-877.5	-878.5	-879.5	-880.5	-881.5	-882.5	-883.5	-884.5	-885.5	-886.5	-887.5	-888.5	-889.5	-890.5	-891.5	-892.5	-893.5	-894.5	-895.5	-896.5	-897.5	-898.5	-899.5	-900.5	-901.5	-902.5	-903.5	-904.5	-905.5	-906.5	-907.5	-908.5	-909.5	-910.5	-911.5	-912.5	-913.5	-914.5	-915.5	-916.5	-917.5	-918.5	-919.5	-920.5	-921.5	-922.5	-923.5	-924.5	-925.5	-926.5	-927.5	-928.5	-929.5	-930.5	-931.5	-932.5	-933.5	-934.5	-935.5	-936.5	-937.5	-938.5	-939.5	-940.5	-941.5	-942.5	-943.5	-944.5	-945.5	-946.5	-947.5	-948.5	-949.5	-950.5	-951.5	-952.5	-953.5	-954.5	-955.5	-956.5	-957.5	-958.5	-959.5	-960.5	-961.5	-962.5	-963.5	-964.5	-965.5	-966.5	-967.5	-968.5	-969.5	-970.5	-971.5	-972.5	-973.5	-974.5	-975.5	-976.5	-977.5	-978.5	-979.5	-980.5	-981.5	-982.5	-983.5	-984.5	-985.5	-986.5	-987.5	-988.5	-989.5	-990.5	-991.5	-992.5	-993.5	-994.5	-995.5	-996.5	-997.5	-998.5	-999.5	-1000.5	-1001.5	-1002.5	-1003.5	-1004.5	-1005.5	-1006.5	-1007.5	-1008.5	-1009.5	-1010.5	-1011.5	-1012.5	-1013.5	-1014.5	-1015.5	-1016.5	-1017.5	-1018.5	-1019.5	-1020.5	-1021.5	-1022.5	-1023.5	-1024.5	-1025.5	-1026.5	-1027.5	-1028.5	-1029.5	-1030.5	-1031.5	-1032.5	-1033.5	-1034.5	-1035.5	-1036.5	-1037.5	-1038.5	-1039.5	-1040.5	-1041.5	-1042.5	-1043.5	-1044.5	-1045.5	-1046.5	-1047.5	-1048.5	-1049.5	-1050.5	-1051.5	-1052.5	-1053.5	-1054.5	-1055.5	-1056.5	-1057.5	-1058.5	-1059.5	-1060.5	-1061.5	-1062.5	-1063.5	-1064.5	-1065.5	-1066.5	-1067.5	-1068.5	-1069.5	-1070.5	-1071.5	-1072.5	-1073.5	-1074.5	-1075.5	-1076.5	-1077.5	-1078.5	-1079.5	-1080.5	-1081.5	-1082.5	-1083.5	-1084.5	-1085.5	-1086.5	-1087.5	-1088.5	-1089.5	-1090.5	-1091.5	-1092.5	-1093.5	-1094.5	-1095.5	-1096.5	-1097.5	-1098.5	-1099.5	-1100.5	-1101.5	-1102.5	-1103.5	-1104.5	-1105.5	-1106.5	-1107.5	-1108.5	-1109.5	-1110.5	-1111.5	-1112.5	-1113.5	-1114.5	-1115.5	-1116.5	-1117.5	-1118.5	-1119.5	-1120.5	-1121.5	-1122.5	-1123.5	-1124.5	-1125.5	-1126.5	-1127.5	-1128.5	-1129.5	-1130.5	-1131.5	-1132.5	-1133.5	-1134.5	-1135.5	-1136.5	-1137.5	-1138.5	-1139.5	-1140.5	-1141.5	-1142.5	-1143.5	-1144.5	-1145.5	-1146.5	-1147.5	-1148.5	-1149.5	-1150.5	-1151.5	-1152.5	-1153.5	-1154.5	-1155.5	-1156.5	-1157.5	-1158.5	-1159.5	-1160.5	-1161.5	-1162.5	-1163.5	-1164.5	-1165.5	-1166.5	-1167.5	-1168.5	-1169.5	-1170.5	-1171.5	-1172.5	-1173.5	-1174.5	-1175.5	-1176.5	-1177.5	-1178.5	-1179.5	-1180.5	-1181.5	-1182.5	-1183.5	-1184.5	-1185.5	-1186.5	-1187.5	-1188.5	-1189.5	-1190.5	-1191
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NEW YORK UNIV BRONX GEOPHYSICAL SCIENCES LAB

F/G 4/2

A THREE DIMENSIONAL MODEL OF THE WIND DRIVEN HORIZONTAL VELOCIT--ETC(U)

OCT 63 E S HASSAN, F D MALONE

N62306-794

UNCLASSIFIED

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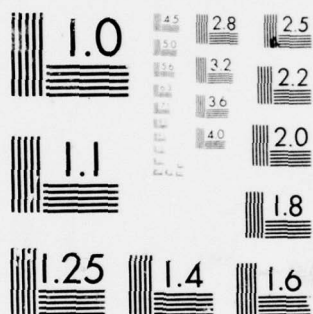
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

	62.5	77.5	92.5	107.5	122.5	137.5	152.5	167.5	182.5	197.5	212.5	227.5	242.5	257.5	272.5	287.5	302.5	317.5	332.5	347.5	362.5	377.5	392.5	407.5	422.5	437.5	452.5	467.5	482.5	497.5	512.5	527.5	542.5	557.5	572.5	587.5	602.5	617.5	632.5	647.5	662.5	677.5	692.5	707.5	722.5	737.5	752.5	767.5	782.5	797.5	812.5	827.5	842.5	857.5	872.5	887.5	902.5	917.5	932.5	947.5	962.5	977.5	992.5	1007.5	1022.5	1037.5	1052.5	1067.5	1082.5	1097.5	1112.5	1127.5	1142.5	1157.5	1172.5	1187.5	1202.5	1217.5	1232.5	1247.5	1262.5	1277.5	1292.5	1307.5	1322.5	1337.5	1352.5	1367.5	1382.5	1397.5	1412.5	1427.5	1442.5	1457.5	1472.5	1487.5	1502.5	1517.5	1532.5	1547.5	1562.5	1577.5	1592.5	1607.5	1622.5	1637.5	1652.5	1667.5	1682.5	1697.5	1712.5	1727.5	1742.5	1757.5	1772.5	1787.5	1802.5	1817.5	1832.5	1847.5	1862.5	1877.5	1892.5	1907.5	1922.5	1937.5	1952.5	1967.5	1982.5	1997.5	2012.5	2027.5	2042.5	2057.5	2072.5	2087.5	2102.5	2117.5	2132.5	2147.5	2162.5	2177.5	2192.5	2207.5	2222.5	2237.5	2252.5	2267.5	2282.5	2297.5	2312.5	2327.5	2342.5	2357.5	2372.5	2387.5	2402.5	2417.5	2432.5	2447.5	2462.5	2477.5	2492.5	2507.5	2522.5	2537.5	2552.5	2567.5	2582.5	2597.5	2612.5	2627.5	2642.5	2657.5	2672.5	2687.5	2702.5	2717.5	2732.5	2747.5	2762.5	2777.5	2792.5	2807.5	2822.5	2837.5	2852.5	2867.5	2882.5	2897.5	2912.5	2927.5	2942.5	2957.5	2972.5	2987.5	3002.5	3017.5	3032.5	3047.5	3062.5	3077.5	3092.5	3107.5	3122.5	3137.5	3152.5	3167.5	3182.5	3197.5	3212.5	3227.5	3242.5	3257.5	3272.5	3287.5	3302.5	3317.5	3332.5	3347.5	3362.5	3377.5	3392.5	3407.5	3422.5	3437.5	3452.5	3467.5	3482.5	3497.5	3512.5	3527.5	3542.5	3557.5	3572.5	3587.5	3602.5	3617.5	3632.5	3647.5	3662.5	3677.5	3692.5	3707.5	3722.5	3737.5	3752.5	3767.5	3782.5	3797.5	3812.5	3827.5	3842.5	3857.5	3872.5	3887.5	3902.5	3917.5	3932.5	3947.5	3962.5	3977.5	3992.5	4007.5	4022.5	4037.5	4052.5	4067.5	4082.5	4097.5	4112.5	4127.5	4142.5	4157.5	4172.5	4187.5	4202.5	4217.5	4232.5	4247.5	4262.5	4277.5	4292.5	4307.5	4322.5	4337.5	4352.5	4367.5	4382.5	4397.5	4412.5	4427.5	4442.5	4457.5	4472.5	4487.5	4502.5	4517.5	4532.5	4547.5	4562.5	4577.5	4592.5	4607.5	4622.5	4637.5	4652.5	4667.5	4682.5	4697.5	4712.5	4727.5	4742.5	4757.5	4772.5	4787.5	4802.5	4817.5	4832.5	4847.5	4862.5	4877.5	4892.5	4907.5	4922.5	4937.5	4952.5	4967.5	4982.5	4997.5	5012.5	5027.5	5042.5	5057.5	5072.5	5087.5	5102.5	5117.5	5132.5	5147.5	5162.5	5177.5	5192.5	5207.5	5222.5	5237.5	5252.5	5267.5	5282.5	5297.5	5312.5	5327.5	5342.5	5357.5	5372.5	5387.5	5402.5	5417.5	5432.5	5447.5	5462.5	5477.5	5492.5	5507.5	5522.5	5537.5	5552.5	5567.5	5582.5	5597.5	5612.5	5627.5	5642.5	5657.5	5672.5	5687.5	5702.5	5717.5	5732.5	5747.5	5762.5	5777.5	5792.5	5807.5	5822.5	5837.5	5852.5	5867.5	5882.5	5897.5	5912.5	5927.5	5942.5	5957.5	5972.5	5987.5	6002.5	6017.5	6032.5	6047.5	6062.5	6077.5	6092.5	6107.5	6122.5	6137.5	6152.5	6167.5	6182.5	6197.5	6212.5	6227.5	6242.5	6257.5	6272.5	6287.5	6302.5	6317.5	6332.5	6347.5	6362.5	6377.5	6392.5	6407.5	6422.5	6437.5	6452.5	6467.5	6482.5	6497.5	6512.5	6527.5	6542.5	6557.5	6572.5	6587.5	6602.5	6617.5	6632.5	6647.5	6662.5	6677.5	6692.5	6707.5	6722.5	6737.5	6752.5	6767.5	6782.5	6797.5	6812.5	6827.5	6842.5	6857.5	6872.5	6887.5	6902.5	6917.5	6932.5	6947.5	6962.5	6977.5	6992.5	7007.5	7022.5	7037.5	7052.5	7067.5	7082.5	7097.5	7112.5	7127.5	7142.5	7157.5	7172.5	7187.5	7202.5	7217.5	7232.5	7247.5	7262.5	7277.5	7292.5	7307.5	7322.5	7337.5	7352.5	7367.5	7382.5	7397.5	7412.5	7427.5	7442.5	7457.5	7472.5	7487.5	7502.5	7517.5	7532.5	7547.5	7562.5	7577.5	7592.5	7607.5	7622.5	7637.5	7652.5	7667.5	7682.5	7697.5	7712.5	7727.5	7742.5	7757.5	7772.5	7787.5	7802.5	7817.5	7832.5	7847.5	7862.5	7877.5	7892.5	7907.5	7922.5	7937.5	7952.5	7967.5	7982.5	7997.5	8012.5	8027.5	8042.5	8057.5	8072.5	8087.5	8102.5	8117.5	8132.5	8147.5	8162.5	8177.5	8192.5	8207.5	8222.5	8237.5	8252.5	8267.5	8282.5	8297.5	8312.5	8327.5	8342.5	8357.5	8372.5	8387.5	8402.5	8417.5	8432.5	8447.5	8462.5	8477.5	8492.5	8507.5	8522.5	8537.5	8552.5	8567.5	8582.5	8597.5	8612.5	8627.5	8642.5	8657.5	8672.5	8687.5	8702.5	8717.5	8732.5	8747.5	8762.5	8777.5	8792.5	8807.5	8822.5	8837.5	8852.5	8867.5	8882.5	8897.5	8912.5	8927.5	8942.5	8957.5	8972.5	8987.5	9002.5	9017.5	9032.5	9047.5	9062.5	9077.5	9092.5	9107.5	9122.5	9137.5	9152.5	9167.5	9182.5	9197.5	9212.5	9227.5	9242.5	9257.5	9272.5	9287.5	9302.5	9317.5	9332.5	9347.5	9362.5	9377.5	9392.5	9407.5	9422.5	9437.5	9452.5	9467.5	9482.5	9497.5	9512.5	9527.5	9542.5	9557.5	9572.5	9587.5	9602.5	9617.5	9632.5	9647.5	9662.5	9677.5	9692.5	9707.5	9722.5	9737.5	9752.5	9767.5	9782.5	9797.5	9812.5	9827.5	9842.5	9857.5	9872.5	9887.5	9902.5	9917.5	9932.5	9947.5	9962.5	9977.5	9992.5	10007.5	10022.5	10037.5	10052.5	10067.5	10082.5	10097.5	10112.5	10127.5	10142.5	10157.5	10172.5	10187.5	10202.5	10217.5	10232.5	10247.5	10262.5	10277.5	10292.5	10307.5	10322.5	10337.5	10352.5	10367.5	10382.5	10397.5	10412.5	10427.5	10442.5	10457.5	10472.5	10487.5	10502.5	10517.5	10532.5	10547.5	10562.5	10577.5	10592.5	10607.5	10622.5	10637.5	10652.5	10667.5	10682.5	10697.5	10712.5	10727.5	10742.5	10757.5	10772.5	10787.5	10802.5	10817.5	10832.5	10847.5	10862.5	10877.5	10892.5	10907.5	10922.5	10937.5	10952.5	10967.5	10982.5	10997.5	11012.5	11027.5	11042.5	11057.5	11072.5	11087.5	11102.5	11117.5	11132.5	11147.5	11162.5	11177.5	11192.5	11207.5	11222.5	11237.5	11252.5	11267.5	11282.5	11297.5	11312.5	11327.5	11342.5	11357.5	11372.5	11387.5	11402.5	11417.5	11432.5	11447.5	11462.5	11477.5	11492.5	11507.5	11522.5	11537.5	11552.5	11567.5	11582.5	11597.5	11612.5	11627.5	11642.5	11657.5	11672.5	11687.5	11702.5	11717.5	11732.5	11747.5	11762.5	11777.5	11792.5	11807.5	11822.5	11837.5	11852.5	11867.5	11882.5	11897.5	11912.5	11927.5	11942.5	11957.5	11972.5	11987.5	12002.5	12017.5	12032.5	12047.5	12062.5	12077.5	12092.5	12107.5	12122.5	12137.5	12152.5	12167.5	12182.5	12197.5	12212.5	12227.5	12242.5	12257.5	12272.5	12287.5	12302.5	12317.5	12332.5	12347.5	12362.5	12377.5	12392.5	12407.5	12422.5	12437.5	12452.5	12467.5	12482.5	12497.5	12512.5	12527.5	12542.5	12557.5	12572.5	12587.5	12602.5	12617.5	12632.5	12647.5	12662.5	12677.5	12692.5	12707.5	12722.5	12737.5	12752.5	12767.5	12782.5	12797.5	12812.5	12827.5	12842.5	12857.5	12872.5	12887.5	12902.5	12917.5	12932.5	12947.5	12962.5	12977.5	12992.5	13007.5	13022.5	13037.5	13052.5	13067.5	13082.5	13097.5	13112.5	13127.5	13142.5	13157.5	13172.5	13187.5	13202.5	13217.5	13232.5	13247.5	13262.5	13277.5	13292.5	13307.5	13322.5	13337.5	13352.5	13367.5	13382.5	13397.5	13412.5	13427.5	13442.5	13457.5	13472.5	13487.5	13502.5	13517.5	13532.5	13547.5	13562.5	13577.5	13592.5	13607.5	13622.5	13637.5	13652.5	13667.5	13682.5	13697.5	13712.5	13727.5	13742.5	13757.5	13772.5	13787.5	13802.5	13817.5	13832.5	13847.5	13862.5	13877.5	13892.5	13907.5	13922.5	13937.5	13952.5	13967.5	13982.5	13997.5	14012.5	14027.5	14042.5	14057.5	14072.5	14087.5	14102.5	14117.5	14132.5	14147.5	14162.5	14177.5	14192.5	14207.5	14222.5	14237.5	14252.5	14267.5	14282.5	14297.5	14312.5	14327.5	14342.5	14357.5	14372.5	14387.5	14402.5	14417.5	14432.5	14447.5	14462.5	14477.5	14492.5	14507.5	14522.5	14537.5	14552.5	14567.5	14582.5	14597.5	14612.5	14627.5	14642.5	14657.5	14672.5	14687.5	14702.5	14717.5	14732.5	14747.5	14762.5	14777.5	14792.5	14807.5	14822.5	14837.5	14852.5	14867.5	14882.5	14897.5	14912.5	14927.5	14942.5	14957.5	14972.5	14987.5	15002.5	15017.5	15032.5	15047.5	15062.5	15077.5	15092.5	15107.5	15122.5	15137.5	15152.5	15167.5	15182.5	15197.5	15212.5	15227.5	15242.5	15257.5	15272.5	15287.5	15302.5	15317.5	15332.5	15347.5	15362.5	15377.5	15392.5	15407.5	15422.5	15437.5	15452.5	15467.5	15482.5	15497.5	15512.5	15527.5	15542.5	15557.5	15572.5	15587.5	15602.5	15617.5	15632.5	15647.5	15662.5	15677.5	15692.5	15707.5	15722.5	15737.5	15752.5	15767.5	15782.5	15797.5	15812.5	15827.5	15842.5	15857.5	15872.5	15887.5	15902.5	15917.5	15932.5	15947.5	15962.5	15977.5	15992.5	16007.5	16022.5	16037.5	16052.5	16067.5	16082.5	16097.5	16112.5	16127.5	16142.5	16157.5	16172.5	16187.5	16202.5	16217.5	16232.5	16247.5	16262.5	16277.5	16292.5	16307.5	16322.5	16337.
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[illegible]

[illegible]

REFLECTION VELOCITY IN CM/SEC. AT LEVEL NO.	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000
57.5M	-0.3504E-04	-0.3502E-04	-0.3500E-04	-0.3498E-04	-0.3496E-04	-0.3494E-04	-0.3492E-04	-0.3490E-04	-0.3488E-04	-0.3486E-04	-0.3484E-04	-0.3482E-04	-0.3480E-04	-0.3478E-04	-0.3476E-04	-0.3474E-04	-0.3472E-04	-0.3470E-04	-0.3468E-04	-0.3466E-04	-0.3464E-04	-0.3462E-04	-0.3460E-04	-0.3458E-04	-0.3456E-04	-0.3454E-04	-0.3452E-04	-0.3450E-04	-0.3448E-04	-0.3446E-04	-0.3444E-04	-0.3442E-04	-0.3440E-04	-0.3438E-04	-0.3436E-04	-0.3434E-04	-0.3432E-04	-0.3430E-04	-0.3428E-04	-0.3426E-04	-0.3424E-04	-0.3422E-04	-0.3420E-04	-0.3418E-04	-0.3416E-04	-0.3414E-04	-0.3412E-04	-0.3410E-04	-0.3408E-04	-0.3406E-04	-0.3404E-04	-0.3402E-04	-0.3400E-04	-0.3398E-04	-0.3396E-04	-0.3394E-04	-0.3392E-04	-0.3390E-04	-0.3388E-04	-0.3386E-04	-0.3384E-04	-0.3382E-04	-0.3380E-04	-0.3378E-04	-0.3376E-04	-0.3374E-04	-0.3372E-04	-0.3370E-04	-0.3368E-04	-0.3366E-04	-0.3364E-04	-0.3362E-04	-0.3360E-04	-0.3358E-04	-0.3356E-04	-0.3354E-04	-0.3352E-04	-0.3350E-04	-0.3348E-04	-0.3346E-04	-0.3344E-04	-0.3342E-04	-0.3340E-04	-0.3338E-04	-0.3336E-04	-0.3334E-04	-0.3332E-04	-0.3330E-04	-0.3328E-04	-0.3326E-04	-0.3324E-04	-0.3322E-04	-0.3320E-04	-0.3318E-04	-0.3316E-04	-0.3314E-04	-0.3312E-04	-0.3310E-04	-0.3308E-04	-0.3306E-04	-0.3304E-04	-0.3302E-04	-0.3300E-04	-0.3298E-04	-0.3296E-04	-0.3294E-04	-0.3292E-04	-0.3290E-04	-0.3288E-04	-0.3286E-04	-0.3284E-04	-0.3282E-04	-0.3280E-04	-0.3278E-04	-0.3276E-04	-0.3274E-04	-0.3272E-04	-0.3270E-04	-0.3268E-04	-0.3266E-04	-0.3264E-04	-0.3262E-04	-0.3260E-04	-0.3258E-04	-0.3256E-04	-0.3254E-04	-0.3252E-04	-0.3250E-04	-0.3248E-04	-0.3246E-04	-0.3244E-04	-0.3242E-04	-0.3240E-04	-0.3238E-04	-0.3236E-04	-0.3234E-04	-0.3232E-04	-0.3230E-04	-0.3228E-04	-0.3226E-04	-0.3224E-04	-0.3222E-04	-0.3220E-0																																																						

STREAM FUNCTION IN UNITS OF CM²/SEC. AT LEVEL NE. 30

	75.5	77.5	79.5	81.5	83.5	85.5	87.5	89.5	91.5	93.5	95.5	97.5	99.5	101.5	103.5	105.5	107.5	109.5	111.5	113.5	115.5	117.5	119.5	121.5	123.5	125.5	127.5	129.5	131.5	133.5	135.5	137.5	139.5	141.5	143.5	145.5	147.5	149.5	151.5	153.5	155.5	157.5	159.5	161.5	163.5	165.5	167.5	169.5	171.5	173.5	175.5	177.5	179.5	181.5	183.5	185.5	187.5	189.5	191.5	193.5	195.5	197.5	199.5	201.5	203.5	205.5	207.5	209.5	211.5	213.5	215.5	217.5	219.5	221.5	223.5	225.5	227.5	229.5	231.5	233.5	235.5	237.5	239.5	241.5	243.5	245.5	247.5	249.5	251.5	253.5	255.5	257.5	259.5	261.5	263.5	265.5	267.5	269.5	271.5	273.5	275.5	277.5	279.5	281.5	283.5	285.5	287.5	289.5	291.5	293.5	295.5	297.5	299.5	301.5	303.5	305.5	307.5	309.5	311.5	313.5	315.5	317.5	319.5	321.5	323.5	325.5	327.5	329.5	331.5	333.5	335.5	337.5	339.5	341.5	343.5	345.5	347.5	349.5	351.5	353.5	355.5	357.5	359.5	361.5	363.5	365.5	367.5	369.5	371.5	373.5	375.5	377.5	379.5	381.5	383.5	385.5	387.5	389.5	391.5	393.5	395.5	397.5	399.5	401.5	403.5	405.5	407.5	409.5	411.5	413.5	415.5	417.5	419.5	421.5	423.5	425.5	427.5	429.5	431.5	433.5	435.5	437.5	439.5	441.5	443.5	445.5	447.5	449.5	451.5	453.5	455.5	457.5	459.5	461.5	463.5	465.5	467.5	469.5	471.5	473.5	475.5	477.5	479.5	481.5	483.5	485.5	487.5	489.5	491.5	493.5	495.5	497.5	499.5	501.5	503.5	505.5	507.5	509.5	511.5	513.5	515.5	517.5	519.5	521.5	523.5	525.5	527.5	529.5	531.5	533.5	535.5	537.5	539.5	541.5	543.5	545.5	547.5	549.5	551.5	553.5	555.5	557.5	559.5	561.5	563.5	565.5	567.5	569.5	571.5	573.5	575.5	577.5	579.5	581.5	583.5	585.5	587.5	589.5	591.5	593.5	595.5	597.5	599.5	601.5	603.5	605.5	607.5	609.5	611.5	613.5	615.5	617.5	619.5	621.5	623.5	625.5	627.5	629.5	631.5	633.5	635.5	637.5	639.5	641.5	643.5	645.5	647.5	649.5	651.5	653.5	655.5	657.5	659.5	661.5	663.5	665.5	667.5	669.5	671.5	673.5	675.5	677.5	679.5	681.5	683.5	685.5	687.5	689.5	691.5	693.5	695.5	697.5	699.5	701.5	703.5	705.5	707.5	709.5	711.5	713.5	715.5	717.5	719.5	721.5	723.5	725.5	727.5	729.5	731.5	733.5	735.5	737.5	739.5	741.5	743.5	745.5	747.5	749.5	751.5	753.5	755.5	757.5	759.5	761.5	763.5	765.5	767.5	769.5	771.5	773.5	775.5	777.5	779.5	781.5	783.5	785.5	787.5	789.5	791.5	793.5	795.5	797.5	799.5	801.5	803.5	805.5	807.5	809.5	811.5	813.5	815.5	817.5	819.5	821.5	823.5	825.5	827.5	829.5	831.5	833.5	835.5	837.5	839.5	841.5	843.5	845.5	847.5	849.5	851.5	853.5	855.5	857.5	859.5	861.5	863.5	865.5	867.5	869.5	871.5	873.5	875.5	877.5	879.5	881.5	883.5	885.5	887.5	889.5	891.5	893.5	895.5	897.5	899.5	901.5	903.5	905.5	907.5	909.5	911.5	913.5	915.5	917.5	919.5	921.5	923.5	925.5	927.5	929.5	931.5	933.5	935.5	937.5	939.5	941.5	943.5	945.5	947.5	949.5	951.5	953.5	955.5	957.5	959.5	961.5	963.5	965.5	967.5	969.5	971.5	973.5	975.5	977.5	979.5	981.5	983.5	985.5	987.5	989.5	991.5	993.5	995.5	997.5	999.5	1001.5	1003.5	1005.5	1007.5	1009.5	1011.5	1013.5	1015.5	1017.5	1019.5	1021.5	1023.5	1025.5	1027.5	1029.5	1031.5	1033.5	1035.5	1037.5	1039.5	1041.5	1043.5	1045.5	1047.5	1049.5	1051.5	1053.5	1055.5	1057.5	1059.5	1061.5	1063.5	1065.5	1067.5	1069.5	1071.5	1073.5	1075.5	1077.5	1079.5	1081.5	1083.5	1085.5	1087.5	1089.5	1091.5	1093.5	1095.5	1097.5	1099.5	1101.5	1103.5	1105.5	1107.5	1109.5	1111.5	1113.5	1115.5	1117.5	1119.5	1121.5	1123.5	1125.5	1127.5	1129.5	1131.5	1133.5	1135.5	1137.5	1139.5	1141.5	1143.5	1145.5	1147.5	1149.5	1151.5	1153.5	1155.5	1157.5	1159.5	1161.5	1163.5	1165.5	1167.5	1169.5	1171.5	1173.5	1175.5	1177.5	1179.5	1181.5	1183.5	1185.5	1187.5	1189.5	1191.5	1193.5	1195.5	1197.5	1199.5	1201.5	1203.5	1205.5	1207.5	1209.5	1211.5	1213.5	1215.5	1217.5	1219.5	1221.5	1223.5	1225.5	1227.5	1229.5	1231.5	1233.5	1235.5	1237.5	1239.5	1241.5	1243.5	1245.5	1247.5	1249.5	1251.5	1253.5	1255.5	1257.5	1259.5	1261.5	1263.5	1265.5	1267.5	1269.5	1271.5	1273.5	1275.5	1277.5	1279.5	1281.5	1283.5	1285.5	1287.5	1289.5	1291.5	1293.5	1295.5	1297.5	1299.5	1301.5	1303.5	1305.5	1307.5	1309.5	1311.5	1313.5	1315.5	1317.5	1319.5	1321.5	1323.5	1325.5	1327.5	1329.5	1331.5	1333.5	1335.5	1337.5	1339.5	1341.5	1343.5	1345.5	1347.5	1349.5	1351.5	1353.5	1355.5	1357.5	1359.5	1361.5	1363.5	1365.5	1367.5	1369.5	1371.5	1373.5	1375.5	1377.5	1379.5	1381.5	1383.5	1385.5	1387.5	1389.5	1391.5	1393.5	1395.5	1397.5	1399.5	1401.5	1403.5	1405.5	1407.5	1409.5	1411.5	1413.5	1415.5	1417.5	1419.5	1421.5	1423.5	1425.5	1427.5	1429.5	1431.5	1433.5	1435.5	1437.5	1439.5	1441.5	1443.5	1445.5	1447.5	1449.5	1451.5	1453.5	1455.5	1457.5	1459.5	1461.5	1463.5	1465.5	1467.5	1469.5	1471.5	1473.5	1475.5	1477.5	1479.5	1481.5	1483.5	1485.5	1487.5	1489.5	1491.5	1493.5	1495.5	1497.5	1499.5	1501.5	1503.5	1505.5	1507.5	1509.5	1511.5	1513.5	1515.5	1517.5	1519.5	1521.5	1523.5	1525.5	1527.5	1529.5	1531.5	1533.5	1535.5	1537.5	1539.5	1541.5	1543.5	1545.5	1547.5	1549.5	1551.5	1553.5	1555.5	1557.5	1559.5	1561.5	1563.5	1565.5	1567.5	1569.5	1571.5	1573.5	1575.5	1577.5	1579.5	1581.5	1583.5	1585.5	1587.5	1589.5	1591.5	1593.5	1595.5	1597.5	1599.5	1601.5	1603.5	1605.5	1607.5	1609.5	1611.5	1613.5	1615.5	1617.5	1619.5	1621.5	1623.5	1625.5	1627.5	1629.5	1631.5	1633.5	1635.5	1637.5	1639.5	1641.5	1643.5	1645.5	1647.5	1649.5	1651.5	1653.5	1655.5	1657.5	1659.5	1661.5	1663.5	1665.5	1667.5	1669.5	1671.5	1673.5	1675.5	1677.5	1679.5	1681.5	1683.5	1685.5	1687.5	1689.5	1691.5	1693.5	1695.5	1697.5	1699.5	1701.5	1703.5	1705.5	1707.5	1709.5	1711.5	1713.5	1715.5	1717.5	1719.5	1721.5	1723.5	1725.5	1727.5	1729.5	1731.5	1733.5	1735.5	1737.5	1739.5	1741.5	1743.5	1745.5	1747.5	1749.5	1751.5	1753.5	1755.5	1757.5	1759.5	1761.5	1763.5	1765.5	1767.5	1769.5	1771.5	1773.5	1775.5	1777.5	1779.5	1781.5	1783.5	1785.5	1787.5	1789.5	1791.5	1793.5	1795.5	1797.5	1799.5	1801.5	1803.5	1805.5	1807.5	1809.5	1811.5	1813.5	1815.5	1817.5	1819.5	1821.5	1823.5	1825.5	1827.5	1829.5	1831.5	1833.5	1835.5	1837.5	1839.5	1841.5	1843.5	1845.5	1847.5	1849.5	1851.5	1853.5	1855.5	1857.5	1859.5	1861.5	1863.5	1865.5	1867.5	1869.5	1871.5	1873.5	1875.5	1877.5	1879.5	1881.5	1883.5	1885.5	1887.5	1889.5	1891.5	1893.5	1895.5	1897.5	1899.5	1901.5	1903.5	1905.5	1907.5	1909.5	1911.5	1913.5	1915.5	1917.5	1919.5	1921.5	1923.5	1925.5	1927.5	1929.5	1931.5	1933.5	1935.5	1937.5	1939.5	1941.5	1943.5	1945.5	1947.5	1949.5	1951.5	1953.5	1955.5	1957.5	1959.5	1961.5	1963.5	1965.5	1967.5	1969.5	1971.5	1973.5	1975.5	1977.5	1979.5	1981.5	1983.5	1985.5	1987.5	1989.5	1991.5	1993.5	1995.5	1997.5	1999.5	2001.5	2003.5	2005.5	2007.5	2009.5	2011.5	2013.5	2015.5	2017.5	2019.5	2021.5	2023.5	2025.5	2027.5	2029.5	2031.5	2033.5	2035.5	2037.5	2039.5	2041.5	2043.5	2045.5	2047.5	2049.5	2051.5	2053.5	2055.5	2057.5	2059.5	2061.5	2063.5	2065.5	2067.5	2069.5	2071.5	2073.5	2075.5	2077.5	2079.5	2081.5	2083.5	2085.5	2087.5	2089.5	2091.5	2093.5	2095.5	2097.5	2099.5	2101.5	2103.5	2105.5	2107.5	2109.5	2111.5	2113.5	2115.5	2117.5	2119.5	2121.5	2123.5	2125.5	2127.5	2129.5	2131.5	2133.5	2135.5	2137.5	2139.5	2141.5	2143.5	2145.5	2147.5	2149.5	2151.5	2153.5	2155.5	2157.5	2159.5	2161.5	2163.5	2165.5	2167.5	2169.5	2171.5	2173.5	2175.5	2177.5	2179.5	2181.5	2183.5	2185.5	2187.5	2189.5	2191.5	2193.5	2195.5	2197.5	2199.5	2201.5	2203.5	2205.5	2207.5	2209.5	2211.5	2213.5	2215.5	2217.5	2219.5	2221.5	2223.5	2225.5	2227.5	2229.5	2231.5	2233.5	2235.5	2237.5	2239.5	2241.5	2243.5	2245.5	2247.5	2249.5	2251.5	2253.5	2255.5	2257.5	2259.5	2261.5	2263.5	2265.5	2267.5	2269.5	2271.5	2273.5	2275.5	2277.5	2279.5	2281.5	2283.5	2285.5	2287.5	2289.5	2291.5	2293.5	2295.5	2297.5	2299.5	2301.5	2303.5	2305.5	2307.5	2309.5	2311.5	2313.5	2315.5	2317.5	2319.5	2321.5	2323.5	2325.5	2327.5	2329.5	2331.5	2333.5	2335.5	2337.5	2339.5	2341.5	2343.5	2345.5	2347.5	2349.5	2351.5	2353.5	2355.5	2357.5	2359.5	2361.5	2363.5	2365.5	2367.5	2369.5	2371.5	2373.5	2375.5	2377.5	2379.5	2381.5	2383.5	2385.5	2387.5	2389.5	2391.5	2393.5	
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58.5M	0.1879E-04	0.4293E-04	-0.6410E-05	0.6734E-05	-0.1289E-05	0.2439E-05	-0.0417E-05	0.1456E-05	0.4812E-05	0.77.5	12.5	0.2.5M	0.2.5E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
59.5M	-0.1369E-04	-0.1498E-04	-0.2433E-04	-0.1096E-04	0.7526E-05	0.2739E-04	0.2713E-04	0.2660E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
60.5M	-0.6320E-04	-0.4277E-04	-0.2542E-04	-0.1821E-04	-0.4449E-04	0.1137E-04	0.2853E-04	0.4643E-04	0.3219E-04	0.3398E-04	0.8346E-05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
62.5M	-0.2259E-04	-0.3746E-04	-0.2752E-04	-0.3210E-04	0.6411E-05	-0.4112E-05	0.7729E-04	0.1659E-04	0.6513E-04	0.4507E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
64.5M	-0.6022E-04	-0.3641E-04	-0.4764E-04	-0.2239E-04	-0.1747E-04	0.1016E-04	0.4473E-04	0.4605E-04	0.9426E-04	0.9258E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
66.5M	-0.2783E-04	-0.9476E-04	-0.3433E-05	-0.3129E-04	-0.4509E-04	0.7029E-04	-0.2673E-04	0.4630E-04	0.1554E-04	0.2038E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
68.5M	-0.2517E-04	-0.1834E-04	-0.2371E-04	-0.1459E-04	-0.3129E-04	0.3456E-04	0.2660E-04	-0.7729E-05	0.5752E-04	0.1745E-04	0.1664E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
70.5M	-0.1514E-04	0.4160E-04	-0.1134E-04	0.6334E-04	-0.3454E-04	0.4856E-04	0.4856E-04	0.5347E-04	-0.2108E-04	0.1015E-03	0.1234E-03	0.4505E-04	0.9772E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
72.5M	-0.1614E-04	-0.4278E-04	-0.1579E-04	-0.1506E-04	-0.8607E-05	-0.2613E-04	0.6505E-05	0.3315E-04	0.1516E-04	0.2594E-04	0.4805E-04	-0.3169E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
74.5M	0.3926E-04	-0.2149E-04	0.4084E-04	-0.2479E-04	0.2641E-04	-0.1720E-04	0.3605E-04	0.4479E-04	0.1326E-04	0.1326E-04	0.6773E-05	-0.2017E-05	-0.1336E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
76.5M					-0.4546E-05	0.1514E-04	-0.4867E-05	0.4590E-05	-0.2339E-04	0.2772E-05	-0.1722E-04	0.3460E-05	-0.2532E-04	0.2019E-04																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
78.5M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

	81.5N	77.5	72.5	67.5	62.5	57.5	52.5	47.5	42.5	37.5	32.5	27.5	22.5	17.5	12.5	07.5	02.5N
37.5N																	02.5E
52.5N								0.2739E 03	-0.2954E 03	0.2140E 03	-0.1609E 03	0.1371E 03	-0.1760E 03	0.1617E 03	-0.1129E 03	0.2166E 03	
67.5N								-0.3043E 03	0.5079E 03	0.2704E 03	0.1128E 04	0.0479E 03	0.1447E 04	0.7269E 03	0.7774E 03	-0.1172E 03	
82.5N								0.1314E 03	0.1821E 04	-0.1568E 04	0.2739E 04	0.2113E 04	0.2074E 04	0.1737E 04	0.1623E 04	0.3405E 03	0.2422E 03
37.5N								0.3.35E 04	0.3675E 04	0.4000E 04	0.4614E 04	0.3649E 04	0.3406E 04	0.2944E 04	0.1157E 04		
52.5N								0.4633E 04	0.3221E 04	0.5249E 04	0.2441E 04	0.4718E 04	0.1728E 04	0.3604E 04	-0.1608E 04		
67.5N								0.4342E 04	0.2613E 04	0.4413E 04	0.1387E 04	0.3743E 04	-0.1144E 04	0.1513E 04	-0.5747E 04		
82.5N								0.4342E 04	-0.3060E 04	-0.6377E 05	-0.3261E 04	-0.6247E 05	-0.4387E 04	-0.8204E 05	-0.6572E 04	-0.6355E 04	
37.5N								0.1490E 05	0.9952E 04	0.1234E 05	0.4277E 04	0.6745E 04	0.7612E 04	0.4293E 04	0.4746E 04		
52.5N								0.4415E 04	0.3273E 04	0.3223E 04	0.1931E 04	0.1268E 04	-0.1228E 02	-0.2400E 03			
67.5N								-0.1493E 04	-0.9452E 03	-0.1397E 04	-0.7013E 04	-0.1737E 04	-0.3068E 04	-0.1607E 04	-0.2537E 04		
82.5N								0.4243E 03	-0.9113E 03	0.5997E 03	0.6662E 03	0.3867E 03	-0.524E 03	0.5460E 03	0.3596E 02		

ZENAL VELOCITY IN CM./SEC. AT LEVEL NO.

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	82-5M	77-5	72-5	67-5	62-5	57-5	52-5	47-5	42-5	37-5	32-5	27-5	22-5	17-5	12-5	07-5	02-5M	07-5M
57-5M									-0.3264E-03	-0.6953E-04	-0.4424E-05	-0.1130E-04	-0.6193E-05	-0.4443E-05	0.1917E-05	0.1622E-06		
52-5M							0.2251E-05	-0.1445E-04	-0.1637E-04	-0.2439E-04	-0.2156E-04	-0.2711E-04	-0.1777E-04	-0.1617E-04	-0.1832E-05			
47-5M							-0.1085E-04	-0.2742E-04	-0.3397E-04	-0.2683E-04	-0.3335E-04	-0.2225E-04	-0.2927E-04	-0.2173E-04	-0.1759E-04	-0.2548E-06		
42-5M							-0.1879E-04	-0.9953E-05	-0.1643E-04	-0.2270E-04	-0.1594E-04	-0.2375E-04	-0.1855E-04	-0.2762E-05	-0.1142E-04	0.1597E-04		
37-5M							-0.1370E-03	-0.2198E-04	-0.1258E-03	-0.3361E-04	-0.1092E-03	-0.2277E-04	-0.8396E-04	-0.1349E-04	-0.2338E-05	-0.4242E-04	0.4059E-05	-0.1264E-04
32-5M							0.9763E-04	0.8931E-03	0.9120E-04	0.6649E-03	0.9712E-04	0.8365E-03	0.1053E-03	0.8155E-03	0.1148E-03	0.7773E-03	0.1076E-03	0.7285E-03
27-5M							-0.1576E-03	-0.8273E-04	-0.1797E-03	-0.7664E-04	-0.1963E-03	-0.7501E-04	-0.1164E-03	-0.6652E-04	-0.4777E-04	-0.5157E-04	-0.6792E-04	-0.4367E-04
22-5M							-0.8496E-03	-0.1179E-03	-0.1656E-03	-0.6755E-03	-0.1619E-03	-0.9767E-04	-0.8453E-03	-0.6102E-03	-0.8741E-04	-0.7762E-03	-0.7832E-04	-0.8546E-04
17-5M							0.1862E-03	0.7492E-04	0.3478E-03	0.1686E-03	0.3258E-03	0.1219E-03	0.2937E-03	0.1331E-03	0.1810E-04	0.2211E-03	0.1152E-03	0.1645E-03
12-5M							-0.1221E-04	0.2260E-04	0.7812E-05	0.3243E-04	0.1567E-04	0.2448E-04	0.3051E-04	0.2551E-04	0.1771E-04	0.1941E-04	-0.1613E-05	-0.1144E-04
07-5M							-0.9759E-05	-0.2273E-04	-0.1177E-05	-0.1016E-04	-0.1238E-04	-0.1376E-04	-0.3360E-04	-0.1213E-04	-0.2374E-04	0.1796E-05		
02-5M							0.8514E-05	-0.6677E-05	0.8411E-05	-0.5513E-05	-0.9242E-05	-0.1893E-05	0.1608E-04	0.4749E-04	-0.4749E-04	-0.4749E-04		

	62.5	77.5	77.5	82.5	87.5	92.5	97.5	102.5	107.5	112.5	117.5	122.5	127.5	132.5	137.5	142.5	147.5	152.5	157.5	162.5	167.5	172.5	177.5	182.5	187.5	192.5	197.5	202.5	207.5	212.5	217.5	222.5	227.5	232.5	237.5	242.5	247.5	252.5	257.5	262.5	267.5	272.5	277.5	282.5	287.5	292.5	297.5	302.5	307.5	312.5	317.5	322.5	327.5	332.5	337.5	342.5	347.5	352.5	357.5	362.5	367.5	372.5	377.5	382.5	387.5	392.5	397.5	402.5	407.5	412.5	417.5	422.5	427.5	432.5	437.5	442.5	447.5	452.5	457.5	462.5	467.5	472.5	477.5	482.5	487.5	492.5	497.5	502.5	507.5	512.5	517.5	522.5	527.5	532.5	537.5	542.5	547.5	552.5	557.5	562.5	567.5	572.5	577.5	582.5	587.5	592.5	597.5	602.5	607.5	612.5	617.5	622.5	627.5	632.5	637.5	642.5	647.5	652.5	657.5	662.5	667.5	672.5	677.5	682.5	687.5	692.5	697.5	702.5	707.5	712.5	717.5	722.5	727.5	732.5	737.5	742.5	747.5	752.5	757.5	762.5	767.5	772.5	777.5	782.5	787.5	792.5	797.5	802.5	807.5	812.5	817.5	822.5	827.5	832.5	837.5	842.5	847.5	852.5	857.5	862.5	867.5	872.5	877.5	882.5	887.5	892.5	897.5	902.5	907.5	912.5	917.5	922.5	927.5	932.5	937.5	942.5	947.5	952.5	957.5	962.5	967.5	972.5	977.5	982.5	987.5	992.5	997.5	1002.5	1007.5	1012.5	1017.5	1022.5	1027.5	1032.5	1037.5	1042.5	1047.5	1052.5	1057.5	1062.5	1067.5	1072.5	1077.5	1082.5	1087.5	1092.5	1097.5	1102.5	1107.5	1112.5	1117.5	1122.5	1127.5	1132.5	1137.5	1142.5	1147.5	1152.5	1157.5	1162.5	1167.5	1172.5	1177.5	1182.5	1187.5	1192.5	1197.5	1202.5	1207.5	1212.5	1217.5	1222.5	1227.5	1232.5	1237.5	1242.5	1247.5	1252.5	1257.5	1262.5	1267.5	1272.5	1277.5	1282.5	1287.5	1292.5	1297.5	1302.5	1307.5	1312.5	1317.5	1322.5	1327.5	1332.5	1337.5	1342.5	1347.5	1352.5	1357.5	1362.5	1367.5	1372.5	1377.5	1382.5	1387.5	1392.5	1397.5	1402.5	1407.5	1412.5	1417.5	1422.5	1427.5	1432.5	1437.5	1442.5	1447.5	1452.5	1457.5	1462.5	1467.5	1472.5	1477.5	1482.5	1487.5	1492.5	1497.5	1502.5	1507.5	1512.5	1517.5	1522.5	1527.5	1532.5	1537.5	1542.5	1547.5	1552.5	1557.5	1562.5	1567.5	1572.5	1577.5	1582.5	1587.5	1592.5	1597.5	1602.5	1607.5	1612.5	1617.5	1622.5	1627.5	1632.5	1637.5	1642.5	1647.5	1652.5	1657.5	1662.5	1667.5	1672.5	1677.5	1682.5	1687.5	1692.5	1697.5	1702.5	1707.5	1712.5	1717.5	1722.5	1727.5	1732.5	1737.5	1742.5	1747.5	1752.5	1757.5	1762.5	1767.5	1772.5	1777.5	1782.5	1787.5	1792.5	1797.5	1802.5	1807.5	1812.5	1817.5	1822.5	1827.5	1832.5	1837.5	1842.5	1847.5	1852.5	1857.5	1862.5	1867.5	1872.5	1877.5	1882.5	1887.5	1892.5	1897.5	1902.5	1907.5	1912.5	1917.5	1922.5	1927.5	1932.5	1937.5	1942.5	1947.5	1952.5	1957.5	1962.5	1967.5	1972.5	1977.5	1982.5	1987.5	1992.5	1997.5	2002.5	2007.5																																																																																																																																																																																																																																																																																																																																																											
31.5M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

	02+6	72+5	03+5	62+5	57+5	52+5	47+5	42+5	37+5	32+5	27+5	22+5	17+5	12+5	07+5	02+5
57.5m								-0.3468E-07	-0.5837E-06	0.4266E-07	0.4743E-07	0.6012E-07	0.4104E-07	0.4121E-07	-0.4107E-07	-0.4952E-09
58.5m								0.1802E-06	0.6050E-06	0.3504E-06	0.1617E-06	0.3326E-06	0.4479E-06	0.3601E-06	0.2437E-06	0.1761E-06
47.5m								0.4427E-06	0.4140E-06	0.4221E-06	0.3466E-06	0.2676E-06	0.4923E-06	0.3193E-06	0.2951E-06	0.1408E-06
48.5m								0.3165E-06	0.4792E-06	0.5124E-06	0.3545E-06	0.2840E-06	0.2774E-06	0.1804E-06	0.1768E-06	0.1620E-07
37.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
38.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
32.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
27.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
28.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
17.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
12.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
07.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07
02.5m								0.4433E-06	0.4613E-06	0.4281E-06	0.3472E-06	0.2408E-06	0.4170E-06	0.2710E-06	0.1768E-06	0.1620E-07

